

CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

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25X1A

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25X1A

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DATE ACQUIRED BY SOURCE 25X1C [REDACTED]

SUPPLEMENT TO REPORT NO. [REDACTED] 25X1A

DATE OF INFORMATION 25X1X [REDACTED]

25X1A /Available at the CIA Map Library are the following maps. These maps were referred to in [REDACTED]

Dwg.	Title	Scale
6	European Russia	Approx. 1:10,000,000
7	European Russia - Pre Cambrian Structure	" "
8	European Russia - Caledonian Structure of Russian Platform	" "
9	European Russia - Hercinian Structure	" "
10	European Russia - Alpine Structure of Russian Platform	" "
11	European Russia - Upper Devonian Isopachs	" "
12	European Russia - Lower Carboniferous Coal Series	" "
13	European Russia - Upper Carboniferous	" "
14	European Russia - Lower Permian Isopachs	" "
15	European Russia - Lower Permian (Kungur) Isopachs	" "
16	European Russia - Upper Permian (Kazan) Isopachs	" "
17	European Russia - Upper Jurassic Isopachs	" "

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
18	Ukrainian Depression	Approx. 1:3,200,000
19	Ukrainian Depression - Pre Cambrian Structure	" "
20	Ukrainian Depression - Caledonian Structure	" "
21	Ukrainian Depression - Hercinian Structure	" "
22	Ukrainian Depression - Present Structural Situation	" "
23	Ukrainian Depression - Upper Devonian Isopachs	" "
24	Ukrainian Depression - Upper Carboniferous Isopachs	" "
25	Ukrainian Depression - Lower Permian (Artinsk) Isopachs	" "
26	Ukrainian Depression - Lower Permian (Kungur) Isopachs	" "
27	Ukrainian Depression - Upper Permian (Spirifer-Kazan) Isopachs	" "
28	Ukrainian Depression - Upper Jurassic Isopachs	" "
29	Ukrainian Depression - Section from Dnepropetrovsk to Voronezh	Approx. 1:1,200,000
30	Ukrainian Depression - Section from Zvetkovo to Orel	" "
31	Donetz Basin - C-C'	Vertical 1:520,000
32	Ukrainian Depression - Oil fields of the Ukrainian Depression	Approx. 1:3,200,000
33	Romny	Approx. 1:32,000
34.	North Flank of Romny Salt Dome	none
35.	Romny Salt Dome - Section of North Wing - Central Profile (3 sheets)	- - -
36.	Romny Salt Dome - N8R on the West Side of the Dome Near Contact Zone (2 sheets)	- - -
37	Romny Salt Dome, - East Part Near Salt Contact (2 sheets)	- - -
38	Tsachki Salt Dome	- - -

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
39	General Type of Ukrainian Salt Domes	- - -
40	Different Types of Ukrainian Salt Domes - Open Dome	- - -
41	Different Types of Ukrainian Salt Domes - Closed Dome	- - -
42	Emba Salt Dome Region	Approx. 1:3,300,000
43	Emba Salt Dome Region - Pre Cambrian Structure	" "
44	Emba Salt Dome Region - Caledonian Structure	" "
45	Emba Salt Dome Region - Hercinian Structure	" "
46	Emba Salt Dome Region - Present Structural Situation	Approx. 1:3,200,000
47	Emba Salt Dome Region - Lower Permian (Artinsk) Isopachs	" "
48	Emba Salt Dome Region - Lower Permian (Kungur) Isopachs	" "
49	Emba Salt Dome Region - Upper Permian (Spirifer-Kazan) Isopachs	" "
50	Emba Salt Dome Region - Middle Jurassic Thickness	" "
51	Emba Salt Dome Region - Upper Jurassic Isopachs	" "
52	Emba Salt Dome Region - Lower Cretaceous (Neokomian) Facies	" "
53	Emba Salt Dome Region - Emba Oil Fields	" "
54	General Gravity - Emba Salt Dome Region	Approx. 1:1,100,000
55	Cross Section A-B - Emba Salt Dome Region	Approx. 1:2,600,000
56	Cross Section C-D - Emba Salt Domes	Approx. 1:2,600,000
57	Characteristic Section - Emba Salt Dome Fields	- - -
58	Representative Oil Fields - Emba Region	Approx. 1:600,000
58 e	Makat	- - -
59	Baichunas	- - -

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<u>Dwg</u>	<u>Title</u>	<u>Scale</u>
60	Emba Region - Tentjak Sor Oil Field Litological Oil Deposits	- - -
61	Shubazknduk	Approx. 1:26,400
62	Ozinki Salt Dome	- - -
63	Salt Domes - Type Recent Abrasion	- - -
64	Salt Domes - Type Without Abrasion (Bossot, Makat, Shubarmudun)	- - -
65	Salt Domes - Type Transgressive cover (Jskine)	- - -
66	Salt Anticlines - Type Dzhusa - In South Ural Trough	- - -
67	Salt Anticlines - Type Aktubinsk	- - -
68	Salt Anticlines - Type Krasnoyarsk	- - -
69	Second Baku	Approx. 1:3,200,000
70	Second Baku - Pre Cambrian Structure	" "
71	Second Baku - Caledonian Structure	" "
72	Second Baku - Hercinian Structure	" "
73	Second Baku - Present Structural Situation	" "
74	Ural Mountains - Cross Section A-B	- - -
75	Second Baku - Generalized Gravity (Bouge) Map	Approx. 1:3,200,000
76	Second Baku - Lower Permian (Artinsk) Isopachs	" "
77	Second Baku - Oil Fields	" "
78	Correlation of Oil Bearing Series of Second Baku	- - -
79	Details of Oil Bearing Series of Krasnokamsk - Juimasy Fields - Middle Devonian	- - -
79 a	Tshimbaevo Region - Ural Trough (5 sheets)	- - -
79 b	Silurian in Ishimbaevo Region of Reefs East From Trough	- - -
80	Tshimbaevo Oil Fields - Reefs	Approx. 1:61,000
81	Tshimbaevo Cross Sections Section Through Jar Biskadan Reef Section Through Kashkaginsk Reef Section Through Kussapkulor Reef Section Through West Reef	Approx. 1:24,800
82	Tshimbaevo Cross Sections Section over East Reef Section over Southern and Eastern Reef	Approx. 1:24,800

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
83	Tshimbaevo Fields - Cross Sections 1 and 2	- - - -
84	West Side Ural Trough Illustrating Reef Building In Lower Permian	- - - -
86	Cross Section C-D	- - - -
87	Cross Section E-F	Approx. 1:196,000
88	Cross Section G-H	- - - -
89	Cross Section I-J	- - - -
90	Relation of Oil and Asphaltites	- - - -
90 a	(no title)	Approx. 1:620,000
90 b	Tuimara	- - - -
91	Sysran	- - - -
92	Sysran - Relation of Thickness to Saturation	- - - -
93	Jablonovyi Ovrage	1:152,000
94	Strelninski Structure	- - - -
95	Showing the Two Types of Flexure Structures Characteristic for Middle Volga District of Russian Platform	1:17,000 Approx. 1:500,000
96	Krasnokamsk - Polazna Oil Fields	Approx. 1:234,000
97	Krasnokamsk Field Structure	Approx. 1:36,000
98	Bono Medvidiza Flexure	Approx. 1:1,200,000 Approx. 1:198,000
99	Bon-Medvediza Structure	Approx. 1:6,600,000
100	North European Russia	- - - -
101	North European Russia - Pre Cambrian Structure	- - - -
102	North European Russia - Caledonian Structure	- - - -
103	North European Russia - Hercinian Structure	- - - -
104	North European Russia - Alpine Structure	- - - -
105	North European Russia - Present Structural Situation	- - - -
106	Timan Region - Showing General Type of Structure	- - - -

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
107	Ukhta - Cross Section A - A1	- - -
108	Leningrad (Petersburg) - Moscow - Possible Oil Bearing Region Being explored	Approx. 1:3,200,000
109	Dovonian Facies Between Leningrad - Moscow (2 sheets)	1:2,000 (Vert.)
110	Regional Correlation of Permian, Carboniferous and Dovonian, Leningrad to Ural Mts. (3 sheets)	1:5,000 (Vert.)
111	Dovonian Thickness Correlation at Various Distances Westward from Ural Folder Zone (3 sheets)	- - -
112	Carboniferous of the South Urals (2 sheets)	- - -
113	Meridian, Krasnokamsk - Tuymazy	- - -
113 a	Kungur Trough	- - -
114	Permian	1:5,000
115	Lena Taymir Region	Approx. 1:900,000
116	Lena Taymir Region - General Structure	" "
117	Cross Section - Taymir Region	Approx. 1:6,800,000
118	Stratigraphic Correlation From Taymir Mobile Belt Southeast Over Taymir Region of Salt Domes to Siberian Platform (3 sheets)	Approx. 1:40,000
119	Diagram Illustrating Oscillations	- - -
120	Facies - Lena Taymir Region	Approx. 1:9,000,000
121	Lena Taymir Region - Silurian and Lower Devonian	" "
122	Lena Taymir Region - Upper Devonian and Carboniferous	Approx. 1:900,000
123	Lena Taymir Region - Permian	" "
124	Lena Taymir Region - Lower and Middle Triassic	" "
125	Lena Taymir Region - Upper Triassic	" "
126	Lena Taymir Region - Jurassic and Lower Cretaceous	" "
127	Lena Taymir Region - Upper Cretaceous	" "
128	Diagram Illustrating Oscillations on Taymir Depression	- - -

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
129	General Map - Taymir Region (2 sheets)	1:330,000
130	Detail of Oil Fields Kozhevnikovo Ilia	1:25,000
131	Oilfields, Ilia and Kozhevnikov	1:25,000
132	Ilia Oil Field - Kozhevnikov Oil Field	1:10,000
133	Nordvik Oil Field	Approx. 1:100,000
134	Nordvik	1:25,000 and 1:50,000
135	Siberia - West and Middle	Approx. 1:9,100,000
136	Siberia - West and Middle - General Structure	Approx. 1:9,100,000
137	Cambrian Basin of Siberia	Approx. 1:10,000,000
138	Cambrian Basin of Siberia - Lower Cambrian Thickness Cm ₁	" "
139	Cambrian Basin of Siberia - Lower Cambrian Thickness Cm ₁	" "
140	Cambrian Basin of Siberia - Middle Cambrian Thickness Cm ₂	" "
141	Cambrian Basin of Siberia - Uppermost Cambrian Cm ₂	1:10,000,000
142	Eve Tas Structure (Riv Nerukta)	Approx. 1:300,000
143	Surface of Chara Series - Lower Cambrian Solianke structure Namana Structure	Approx. 1:288,000 Approx. 1:156,000
144	Kusnez Basin - Cross Section A-B-C	Approx. 1:300,000
145	Sary Su - Salt domes in Prospection	- - -
146	Sary Su - General Section	- - -
147	Fergana Valley	Approx. 1:990,000
148	Fergana Valley - General Structure	Approx. 1:990,000
149	Cross Section A-B	- - -
150	Fergana Valley - General Section	Approx. 1:10,000
151	Fergana Valley - Oscillation Diagram	- - -
152	Fergana Valley - Jurassic Facies	Approx. 1:990,000
153	Fergana Valley - Cretaceous Facies	" "
154	Fergana Valley - Paleogene Facies	" "

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
155	Fergana Valley - Neogene Facies	Approx. 1:990,000
156	Fergana Valley - Oil Fields and Prospective Structures	" "
157	Selrokho Oil Field	Approx. 1:96,000
158	Shor Su Oil Field	Approx. 1:10,000
159	Shor Su Oil Fields	Approx. 1:5,900
160	Chimion Oil Fields	Approx. 1 20,700
161	East Siberia	Approx. 1:9,000,000
162	East Siberia - General Structure	Approx. 1:9,000,000
163	Sakhalin - Prospects and Oil Fields	Approx. 1:1,340,000
164	Sakhalin - General Cross Section	Approx. 1:680,000
165	Sakhalin - General Section	- - -
166	Sakhalin - Miocene and Pliocene Facies	Approx. 1:1,340,000
167	Change in Facies	- - -
168	Okha Oil Field	- - -
169	Oil Prospects or Oil Fields - Kamchatka	- - -
170	Kamchatka	Approx. 1:10,000
171	Caucasus	Approx. 1:3,200,000
172	Caucasus - General Structure	Approx. 1:3,200,000
173	Caucasus - Structure Trends	" "
174	Northwest Caucasus	Approx. 1:250,000
175	(No Title)	Approx. 1:250,000
176	Diagram Illustrating Major Oscillations	- - -
177	Caucasus - Generalized Gravity (Bouge)	Approx. 1:3,200,000
178	Caucasus - Triassic of Maikop Region	" "
179	Caucasus - Lower Jurassic Thickness	Approx. 1:3,200,000
180	Caucasus - Oxford Kimmeridge Facies (Jurassic)	" "
181	Caucasus - Callovian-Kimmeridge (Jurassic) Isopachs	" "
182	Caucasus - Tithonian (Upper Malm Jurassic) Facies	" "

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
183	Caucasus - Lower Cretaceous and Upper Jurassic Isopachs	Approx. 1:3,200,000
184	Caucasus - Lower Cretaceous Isopachs	" "
184 a	Caucasus - Changes In Coastal Lines, Upper Jurassic and Lower Cretaceous	" "
185	Caucasus - Valenginian (Lower Cretaceous) Facies	" "
186	Caucasus - Hauterivian Albion (Lower Cretaceous)	" "
187	Caucasus - Cenomanian (Upper Cretaceous) Facies	" "
188	Caucasus - Maastrikht (Upper Cretaceous) Facies	" "
189	Caucasus - Total Upper Cretaceous Isopachs	" "
190	Caucasus - Paleocene (Tertiary) Facies	" "
191	Caucasus - Lower Maykop (Upper Oligocene) Tertiary Facies	" "
192	Caucasus - Upper Maykop (Lower Miocene) Tertiary Facies	" "
193	Caucasus - Tortonian - Sarmatian (Upper Miocene) Tertiary Thickness	" "
194	Caucasus - Upper Sarmat (Miocene) Isopachs	" "
195	Caucasus - Upper Sarmat (Tertiary) Isopachs	" "
196	Grosnyi - Dagestan Oil District - General Structural Trends	Approx. 1:800,000
197	Grosnyi - Dagestan Oil District - Oilfields Grozny and Dagestan	Approx. 1:800,000
198	Grosnyi-Dagestan Oil District Correlation	Approx. 1:20,000
199	Grosnyi-Dagestan Oil District - Oil Fields - Chokrak (Miocene) Horizon M ₂ ³	Approx. 1:800,000
200	Oil Fields - Karaganian (Miocene) Horizon M ₃ ³	" "
201	Cross Sections Grosnyi	Approx. 1:300,000
202	Grosnyi - Cross Section Between Terek Ridge and Buried Bonez Basin	Approx. 1:2,800,000
203	Grosnyi - Types of Overthrusting Characteristic of Region	- - -
204	Terek Ridge (Grosnyi) - Cross Sections	- - -
205	South Malgoben and Voznejsenkaya (No's 3, 4, 5, 6)	various

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<u>Dwg</u>	<u>Title</u>	<u>Scale</u>
206	Old Grosnyi Field (No's 7,8)	various
207	New Grosnyi (No 9)	Approx. 1:20,000 and 1:100,000
208	Dagestan - Tzberbash and Achi Su Oil Fields (No's 3,4)	Approx. 1:328,000 and 1:17,100
209	Dagestan - Borekei Oil Field(No 6)	Approx. 1:48,800
210	Dagestan - Berbent (No 9) - New Oil Field (1947)	Approx. 1:96,000 and 1:46,000
211	Caucasus - Grosnyi Productive Series of Pliocan	Approx. 1:3,200,000
212	Caucasus - Continental Pliocen Series Analogous to Productive Series of Apsheron Peninsula, Kura - Depression and Red Series of West Turkmenia	1:800,000
213	Grosnyi - Dagestan Oil District - Prospective Areas From Underground Water	1:800,000
214	Northwest Caucasus Oil District (Kuban Black Sea)	Approx. 1:1,500,000
215	Northwest Caucasus - Apsheronian Oil Field (No 1)	Approx. 1:22,500
216	Khodyzhenski Oil Field (No 4) - Khodyzhenskaia Field	Approx. 1:20,000 and 1:49,500
217	Neftjano Schirvansk Oil Field	- - -
218	Kaluzhskaia Oil Field (No 12)	Approx. 1:10,000 and 1:4,000
219	Keslerovo - Varenkovo Oil Fields (No's 23,26)	Approx. 1:41,000
220	Northwest Caucasus - Taman Peninsula	Approx. 1:420,000 and 1:100,000
220 a	Kerch Peninsula	Approx. 1:560,000
221	Turkomania	Approx. 1:9,200,000
222	Turkomania - General Structure	Approx. 1:9,200,000
223	Turkomania - General Gravity	" "
224	Kopet Dag - Bukhara	Approx. 1:20,000
225	Cross Section A' - B' of Facies and Thickness Without Structure	- - -
226	Cross Section Across Turkomanian Trough	Approx/ 1:1,000,000

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
227	Turkomanian Trough - Oscillation Diagram	- - -
228	Turkomania - Lower Jurassic Facies	Approx. 1:9,200,000
229	Turkomania - Upper Jurassic Facies	" "
230	Turkomania - Lower Cretaceous Facies	" "
231	Turkomania - Cenomanian Facies	" "
232	Turkomania - Paleogen Facies	" "
233	Turkomania - Miocene Facies	" "
234	Boundaries of Miocene Transgression	Approx. 1:7,000,000
235	Kopat Dag - Kizyl Arvat Cross Section C-D	Approx. 1:50,000
236	East Part of Turkomanian Trough	Approx. 1:3,200,000
236 a	Haurdag Oil Field	Approx. 1:40,000
237	North Slope of Turkomanian Trough - Oil Seepages	Approx. 1:5,000,000
238	Turkomania - Prospective Area of Turkomania Trough	Approx. 1:9,200,000
239	Baku District and Kura Depression	Approx. 1:3,300,000
240	Baku District and Kura Depression - General Structure	Approx. 1:3,200,000
241	Correlation of Tertiary	Approx. 1:10,000
242	Correlation of Tertiary of Kura and Turkomanian Depression (2 sheets)	Approx. 1:10,000
243	Baku District and Kura Depression - Gravimetric	Approx. 1:3,200,000
244	Baku District and Kura Depression - Gravimetric	" "
245	Baku District and Kura Depression - Paleogen Facies	" "
246	Baku District and Kura Depression - Miocene Facies	" "
247	Baku District and Kura Depression - Continental Facies	" "
248	Baku District and Kura Depression - Middle and Upper Productive Series	Approx. 1:3,200,000
249	Baku District and Kura Depression - Pliocene Productive Series Isopachs	" "
250	(No title)	Approx. 1:500,000
251	Distribution of Facies, Productive Series (Pliocene)	Approx. 1:500,000

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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
252	(No title)	Approx. 1:3,000,000
253	Cross Section - Facies - Structures Taken Out	Approx. 1:660,000
254	Small Caucasus - Cross Section	Approx. 1:2,500,000
254 a	Baku District and Kura Depression - Age of Oil Bearing Series of Caspian and Black Sea Depression	Approx. 1:3,200,000
255	Baku District	Approx. 1:650,000
256	Baku District - Structural Trends	Approx. 1:650,000
257	Baku District - Oil Fields and Prospects	" "
258	Transition of Structures	- - -
259	Transition of Structures - East Plunge of Great Caucasus	- - -
260	Section of Productive Series - Kabristan to Kura Depression	Approx. 1:10,000
261	Baku District - Distribution of Productive Series	Approx. 1:650,000
262	Baku District - Classification of Miocene Possibilities	" "
263	Bibi Eibat (No 37) Oil Field	Approx. 1:50,000
264	Kara Chukhur Oil Field (No 16)	- - -
265	Kara Chukhur Oil Field (No 16)	- - -
266	Putu (No 39) Oil Field	- - -
267	Pirsagat Oil Field (No 49)	- - -
268	Lok Batan Oil Field	Approx 1:14,000
269	Utalgi Oil Field (No 57)	- - -
	Keych Oil Field (No 58)	- - -
	Shubany - Atashki Oil Field (No 33)	- - -
	Binagady Oil Field (No 22)	- - -
270	Cross Section	Approx. 1:82,000
271	Kirovobad Area (Post War Development)	Approx. 1:600,000
272	Kirovobad Area - Gravity Map Bouge Reduction	Approx. 1:610,000
273	Neftcharla Oil Field (No 52)	- - -
274	East Georgia	Approx. 1:350,000

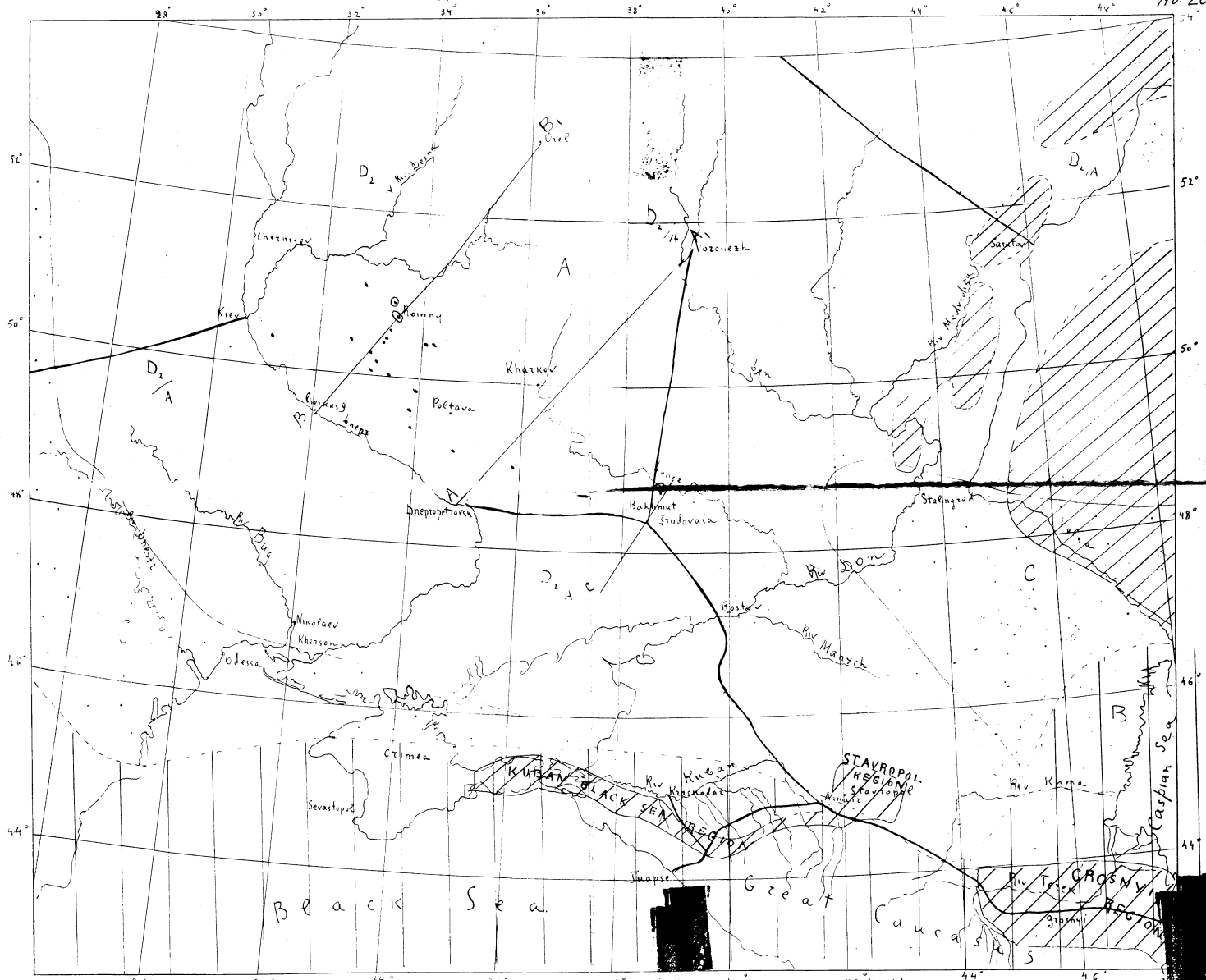
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<u>Dwg.</u>	<u>Title</u>	<u>Scale</u>
275	East Georgia - Oil Bearing Structures, Structural Trends	Approx. 1:350,000
276	Mirsaani Oil Field	- - -
277	Mlashis Khevi	- - -
278	West Turkomanian Oil District	Approx. 1:1,500,000
279	Cross Section Showing Facies of Productive Red Series - West Turkomenia	Approx. 1:2,500,000
280	Limit of Akchagylian Pliocen	- - -
281	Cross Section Showing Change of Facies in Miocen and Pliocen	Approx. 1:4,200,000
282	???? Oil Field	- - -
283	Neftedag Oil Field Structure	- - -
284	Neftedag	- - -
285	West Turkomania Stratigraphic Coreelation	- - - 7

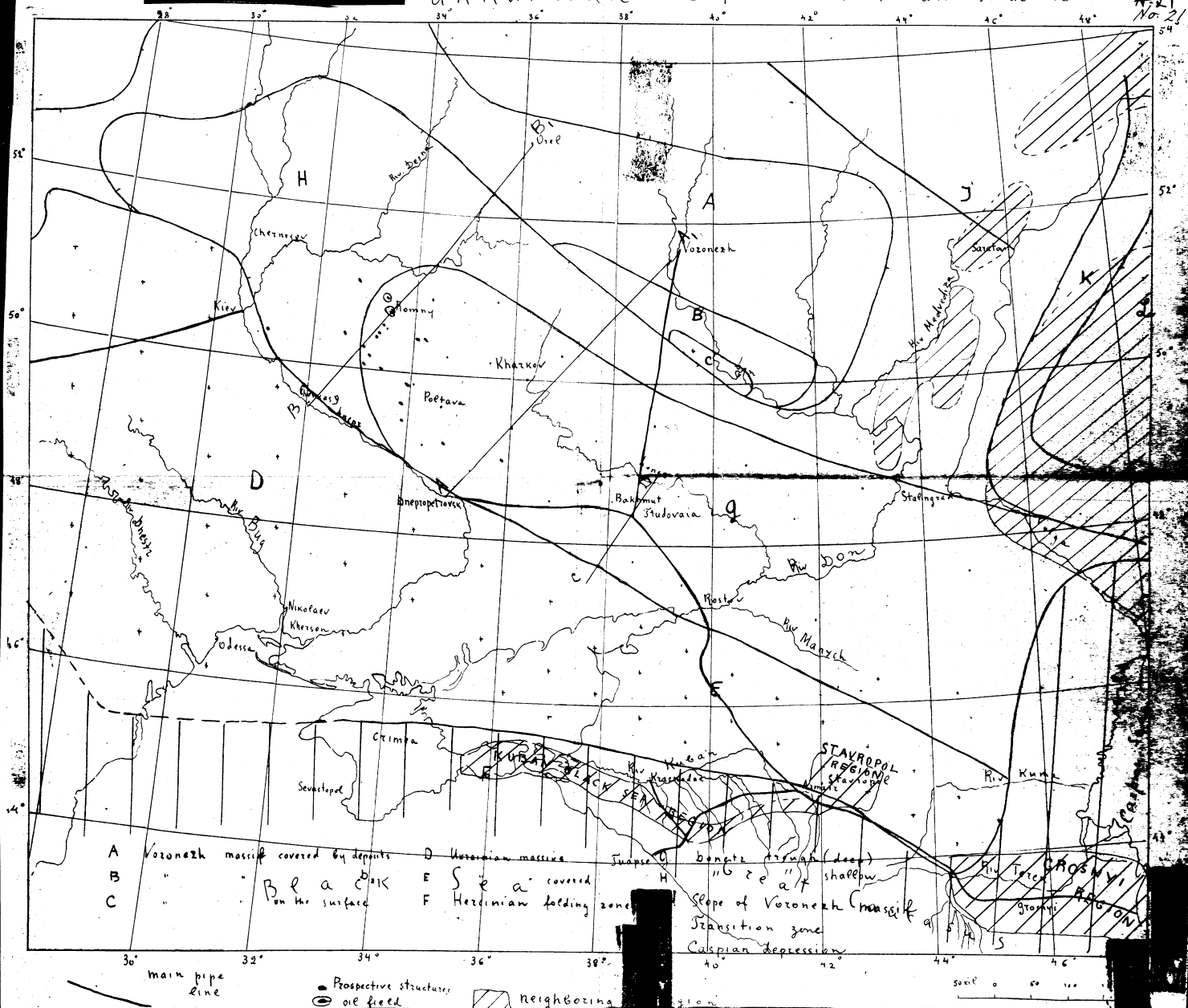
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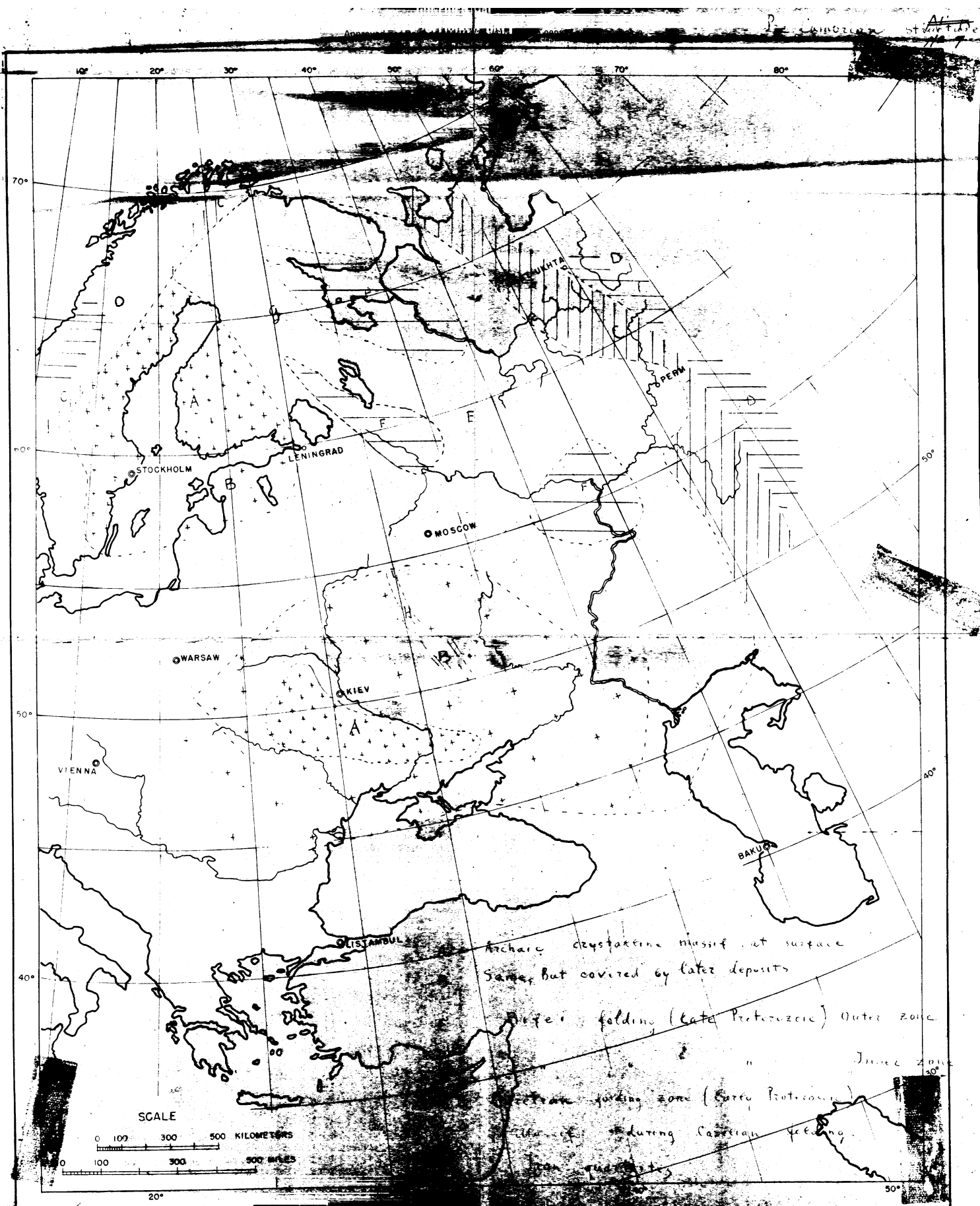
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A = Russian shield
B = Caledonian
C = Trough

UKRAINIAN Depression Hierinian structure

~~№ 218~~
№ 2

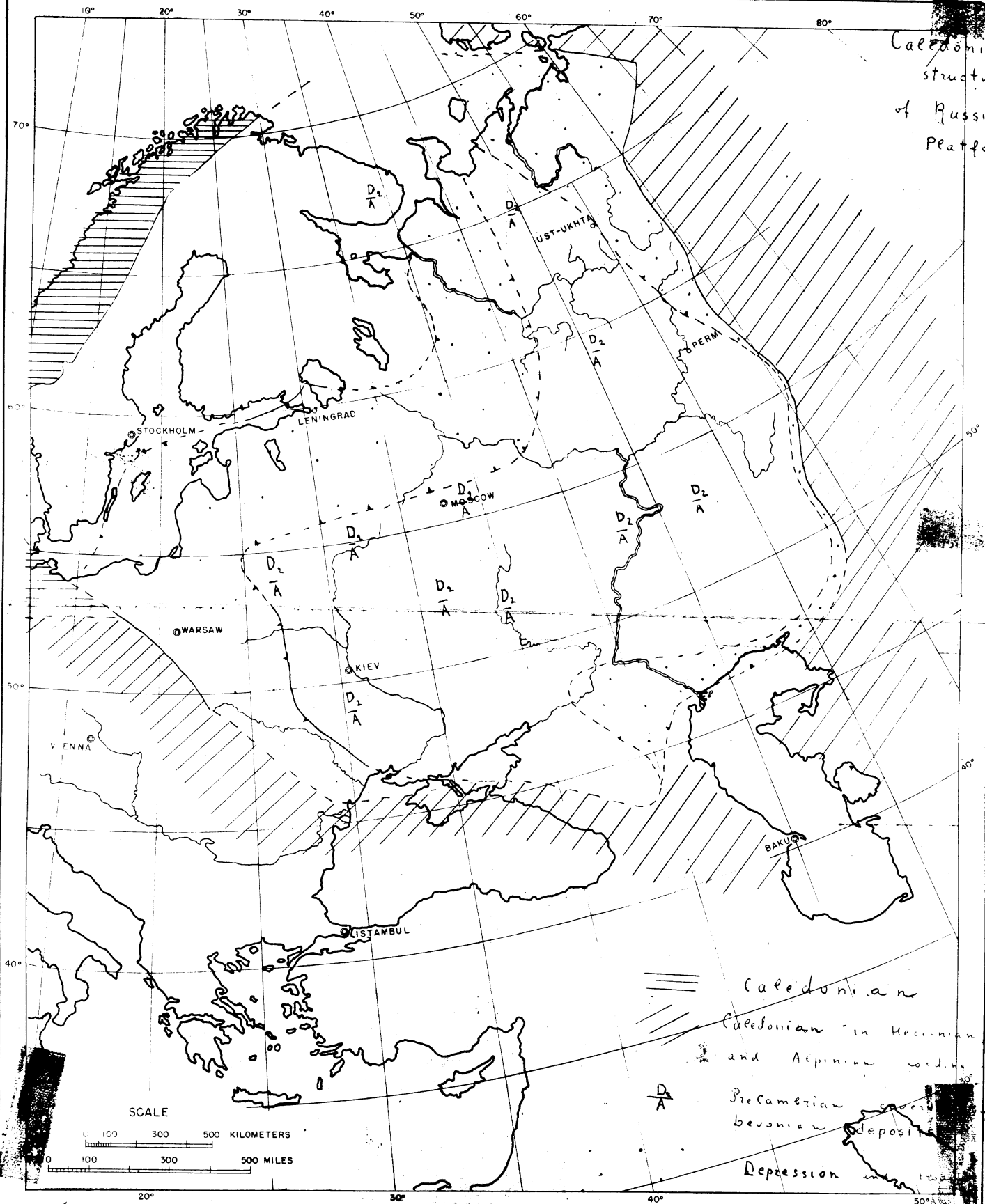


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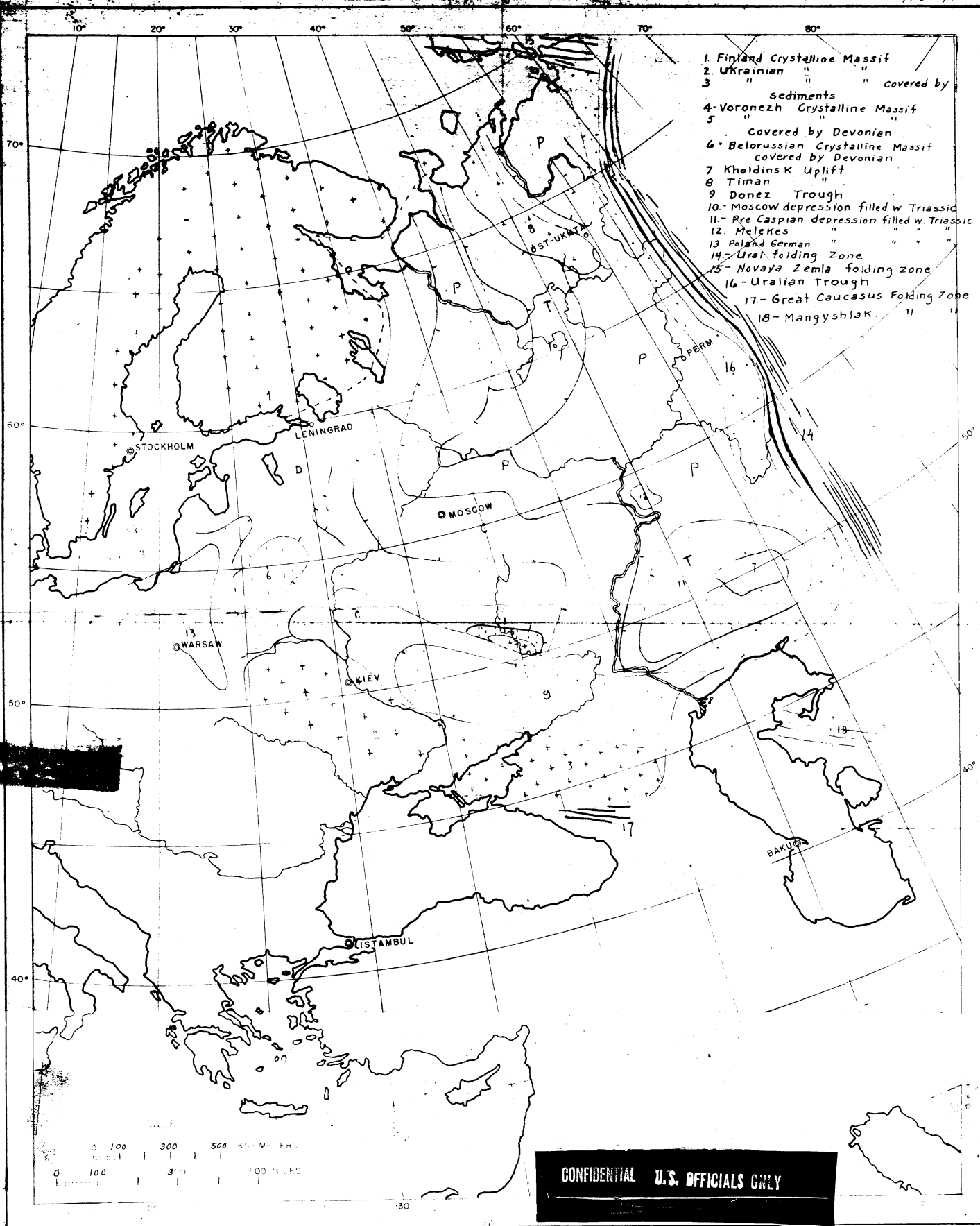
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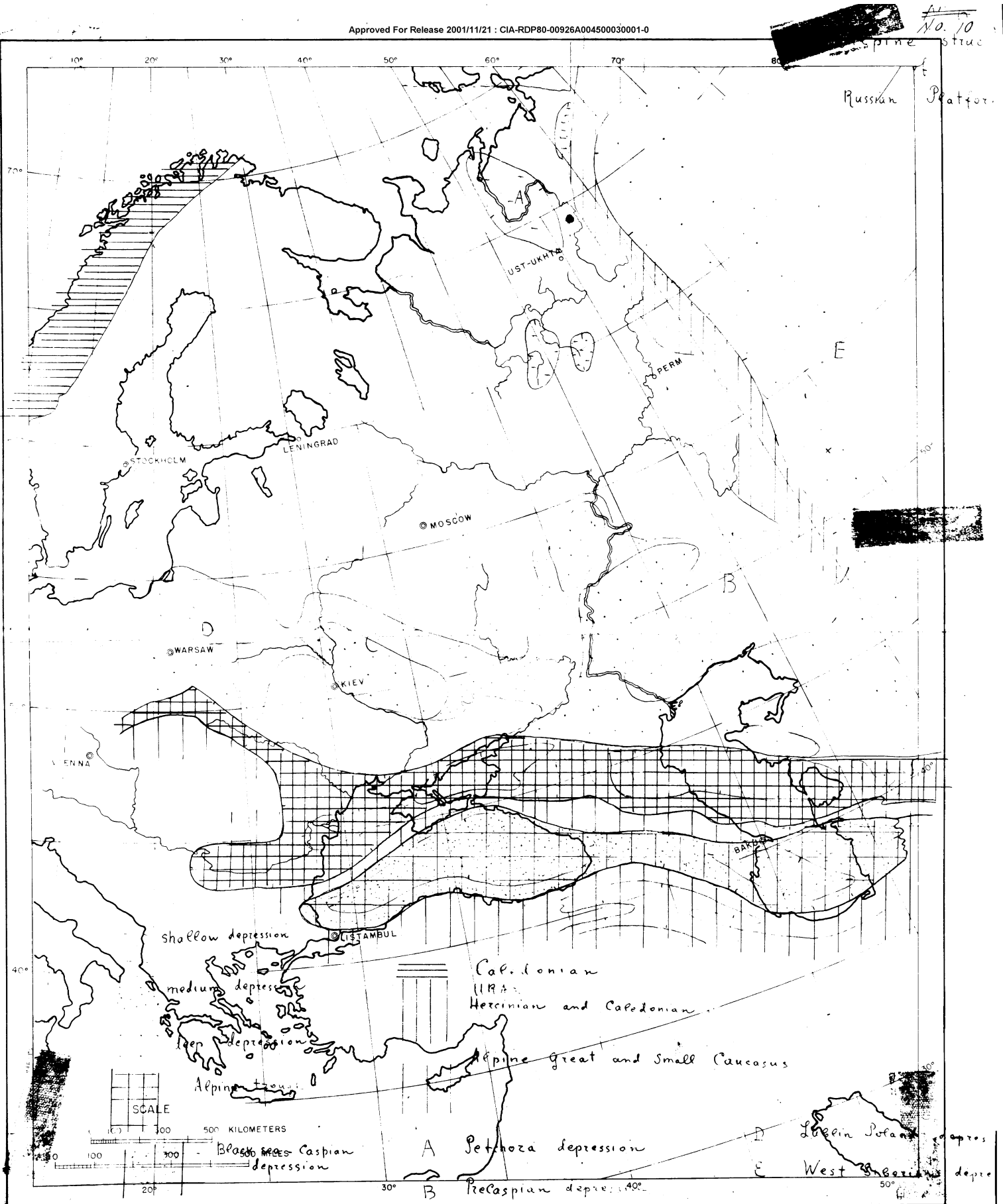
No. 8

Caledonian
structure
of Russian
Platform

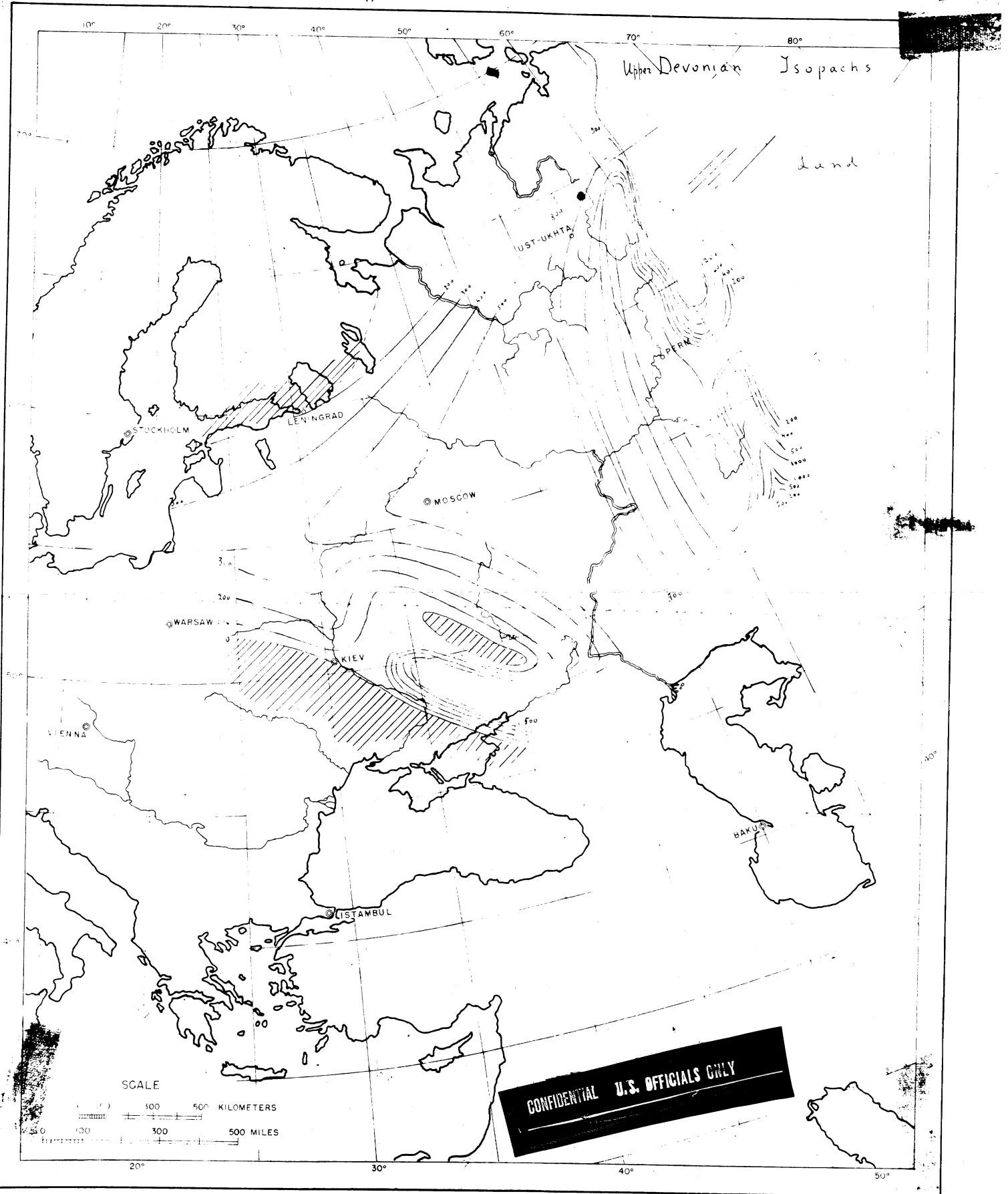


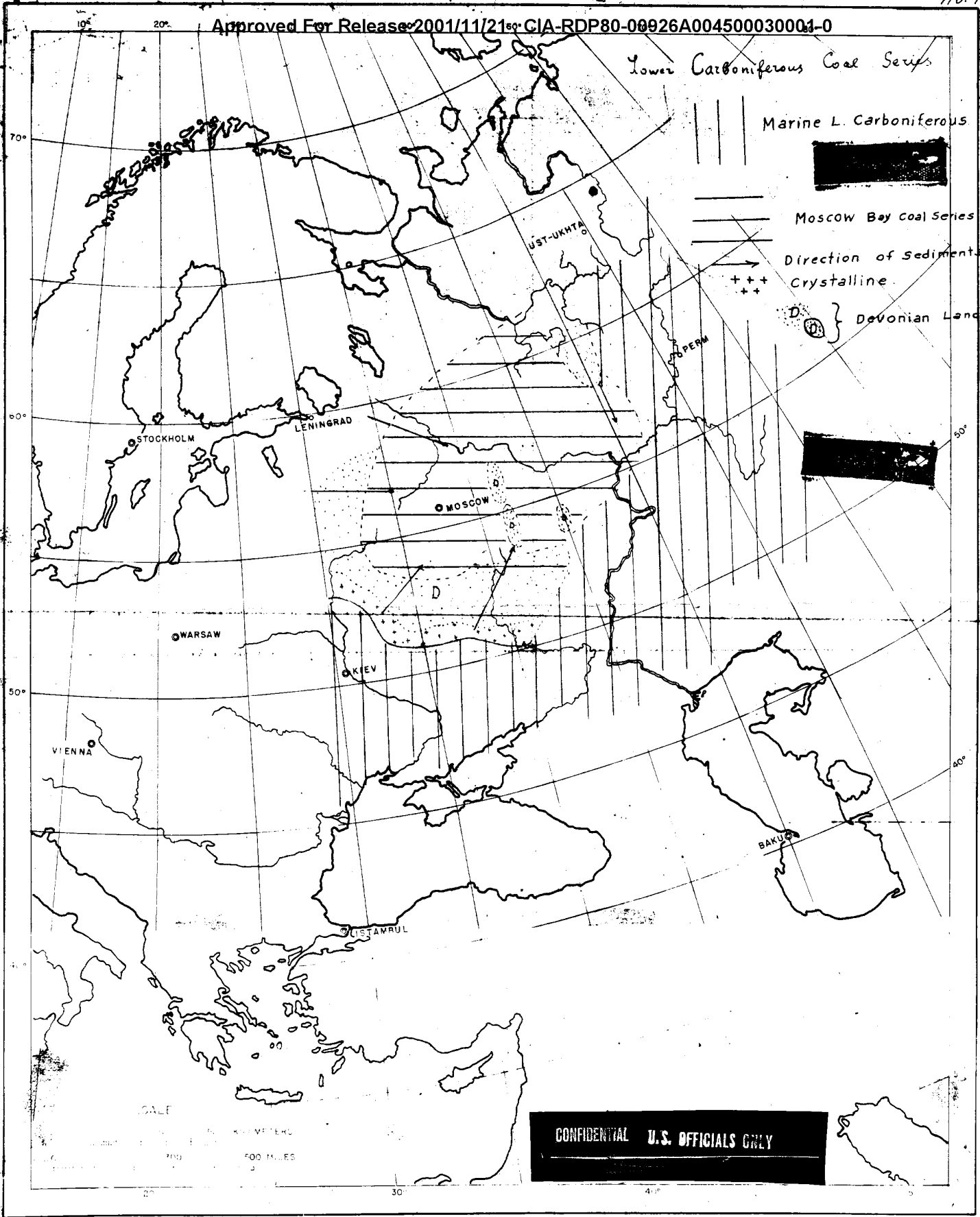
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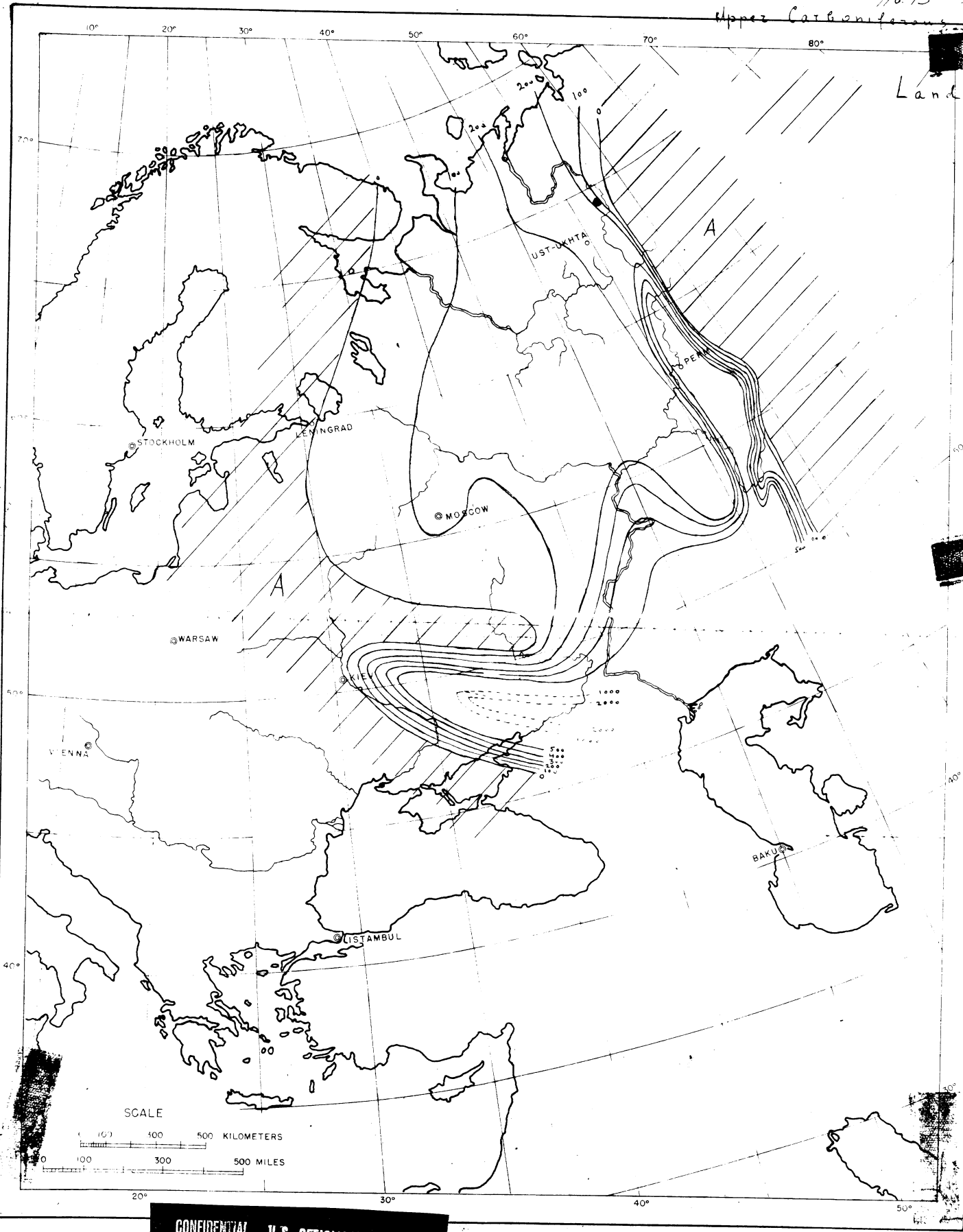


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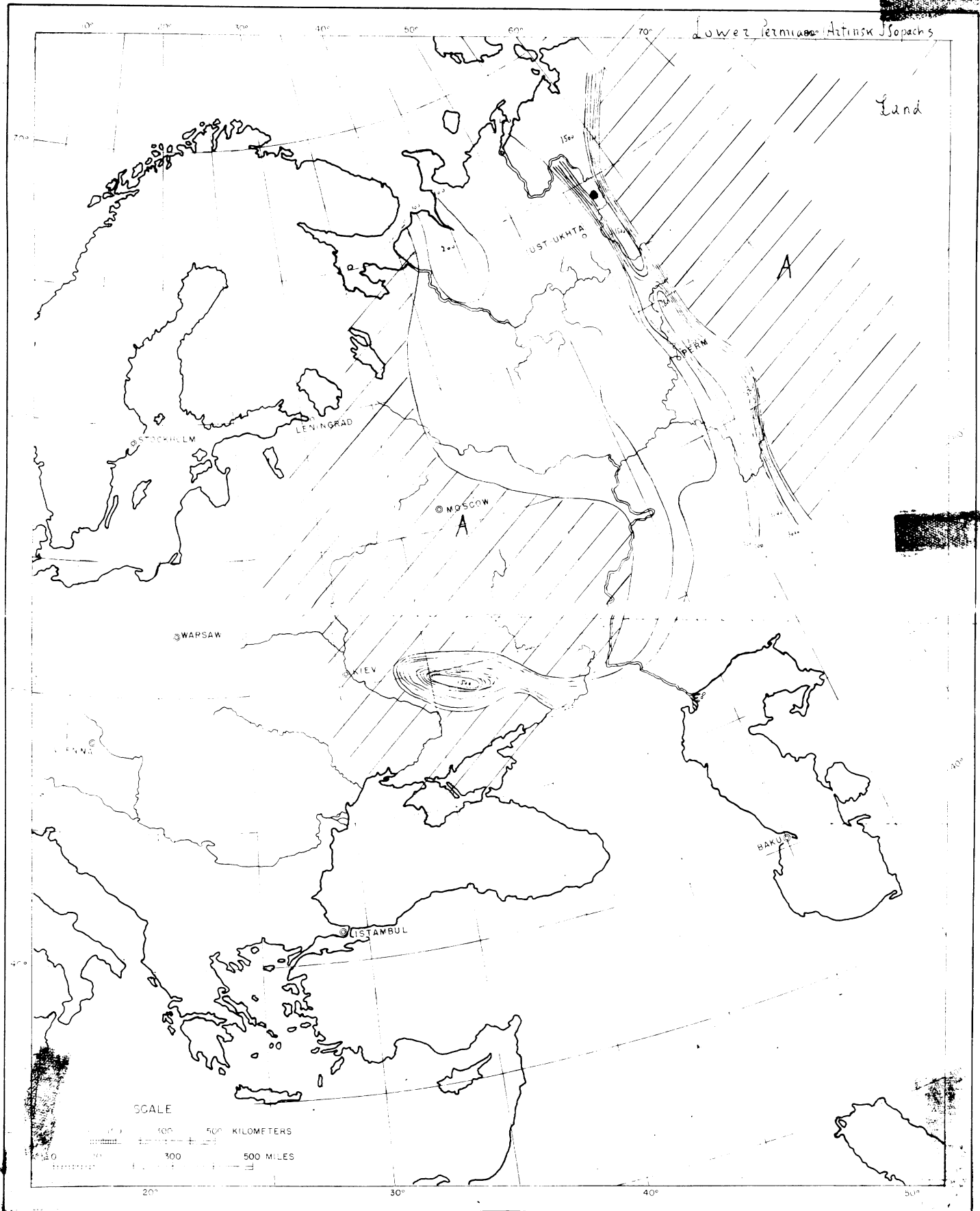
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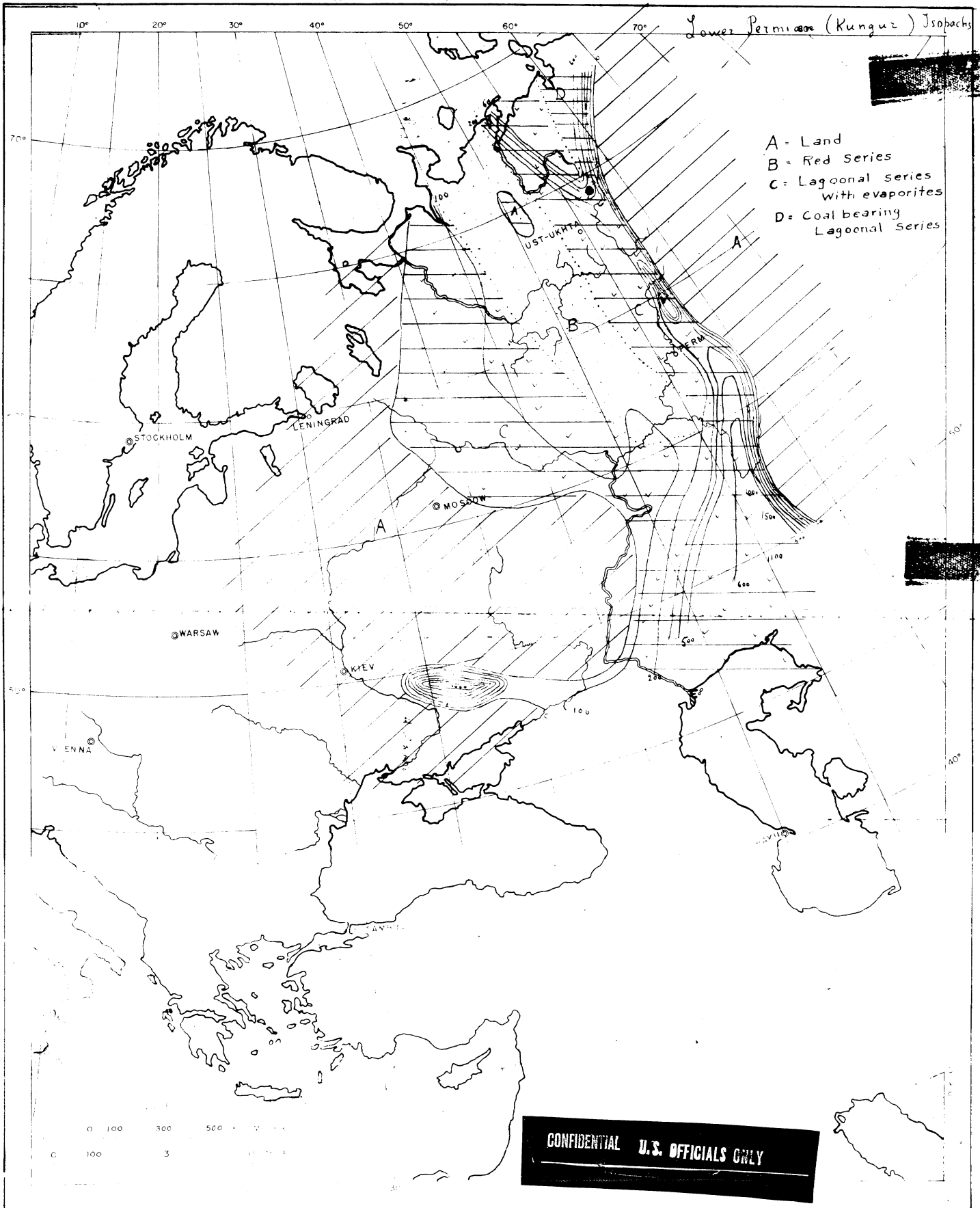
Upper Carboniferous

Land



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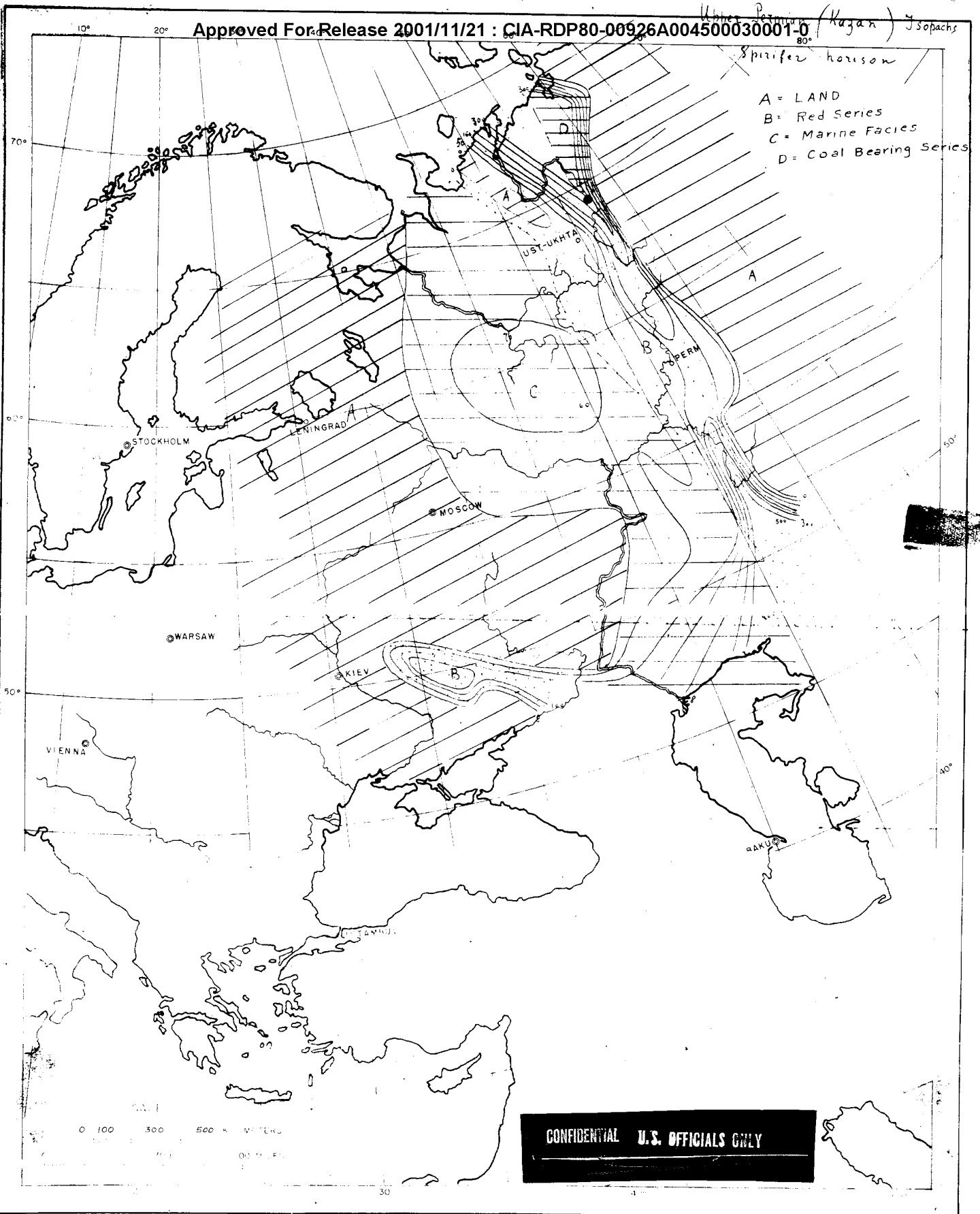


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Upper Permian (Kagan) Isopachs

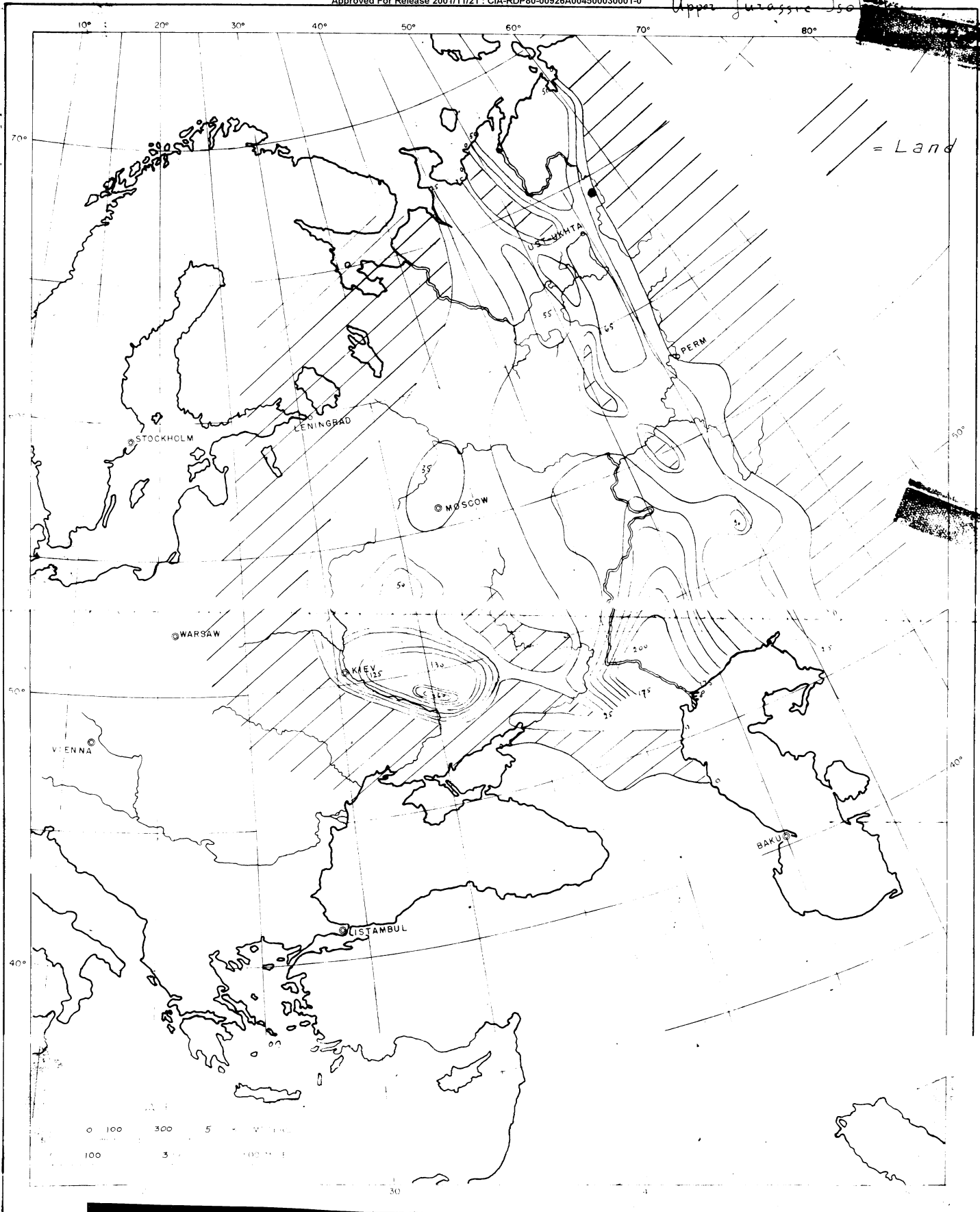
Spirifer horizon

- A = LAND
- B = Red Series
- C = Marine Facies
- D = Coal Bearing Series



Upper Jurassic Iso

14 17



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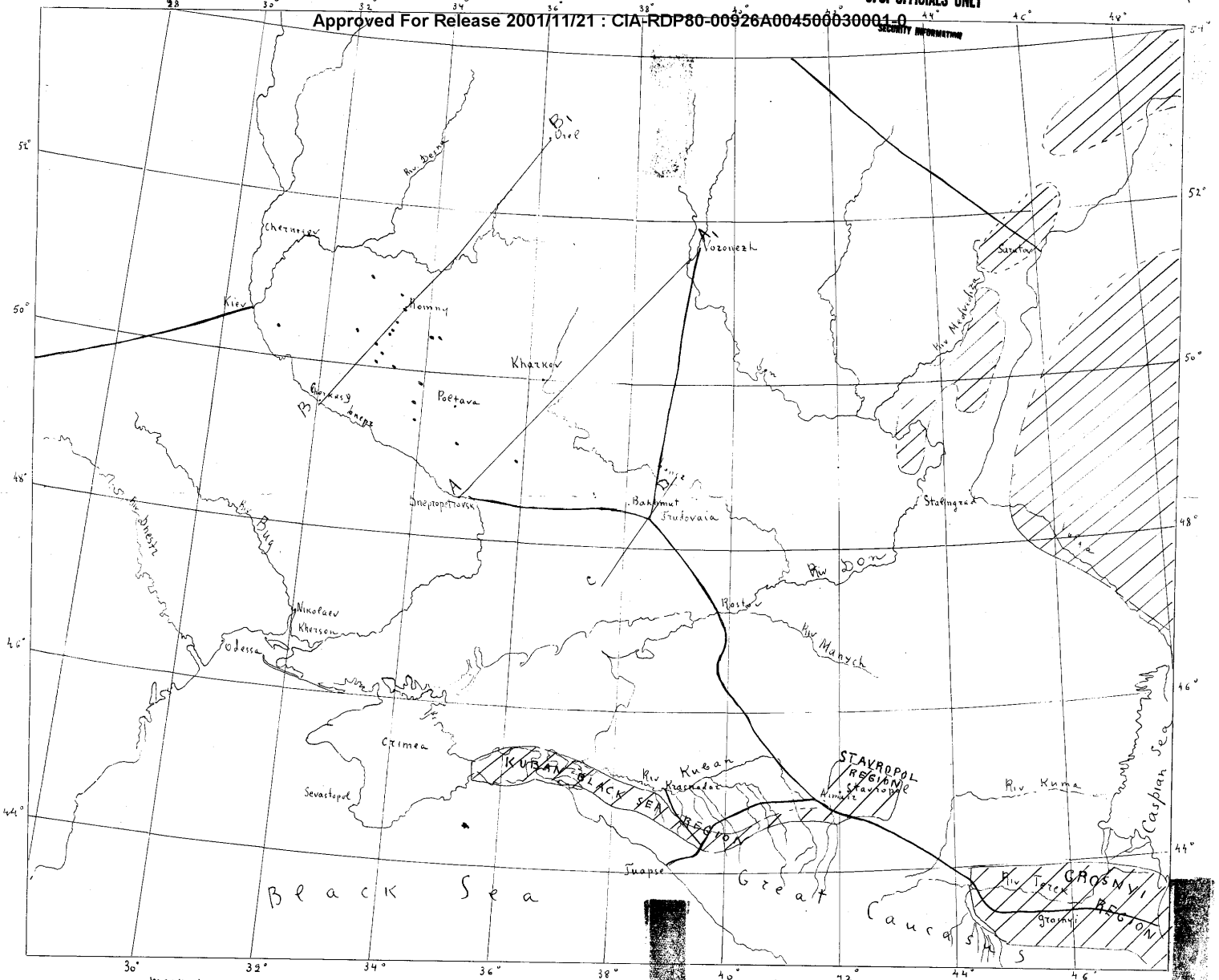
Ukrainian Depression

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N. 18

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SECURITY INFORMATION



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VERTICAL FILE

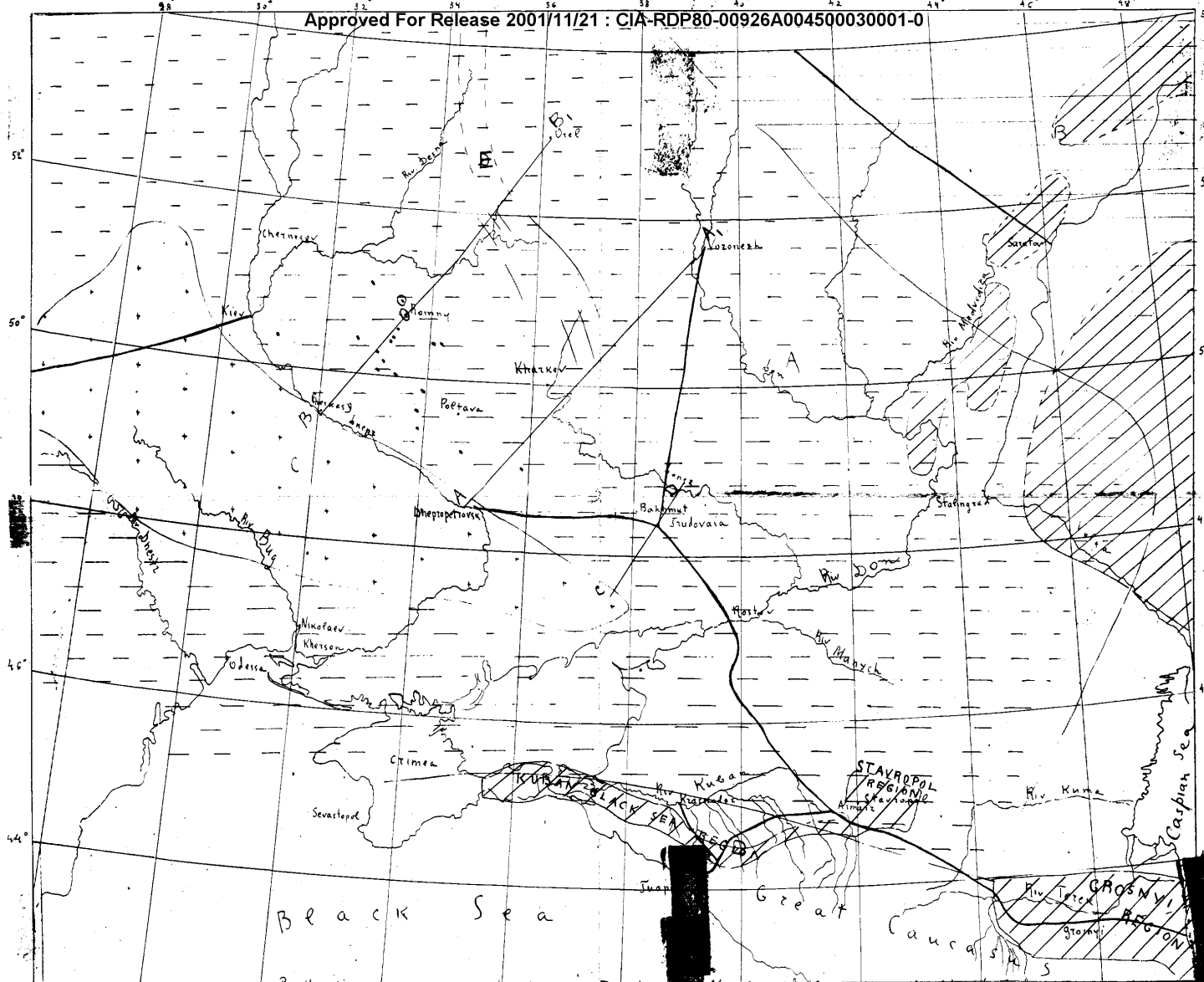
25X1A

Ukrainian Structure Depression

Pre-Cambrian structure

1/8/19

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Main Pipe Line

Prospective structure

Oil Field

Neighboring Oil Region

A Pre-Cambrian (Pre-Karelian) massive covered by deposits

C - Area of Karelian folding covered by deposits

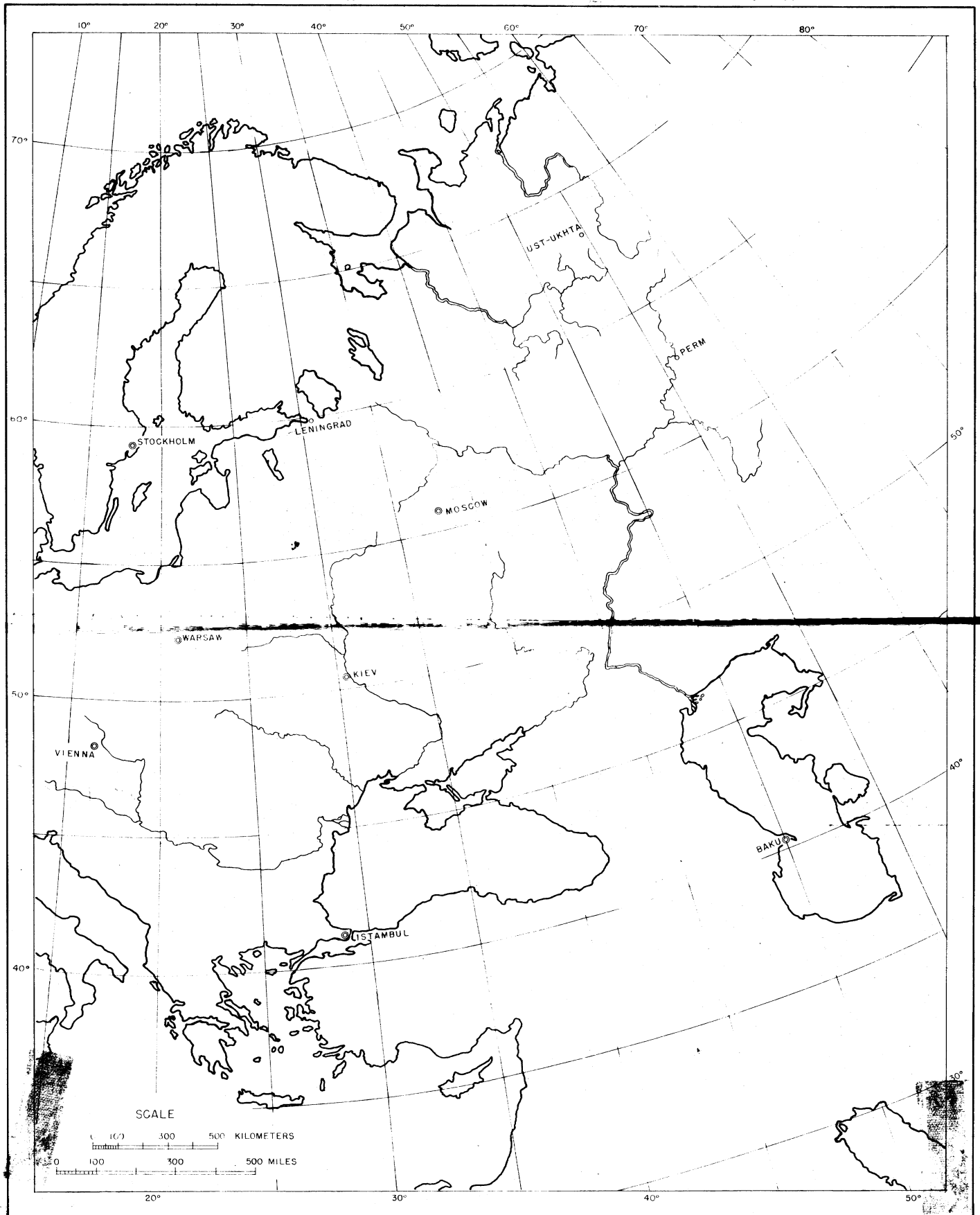
D - Area of the Great Caucasus

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N 6



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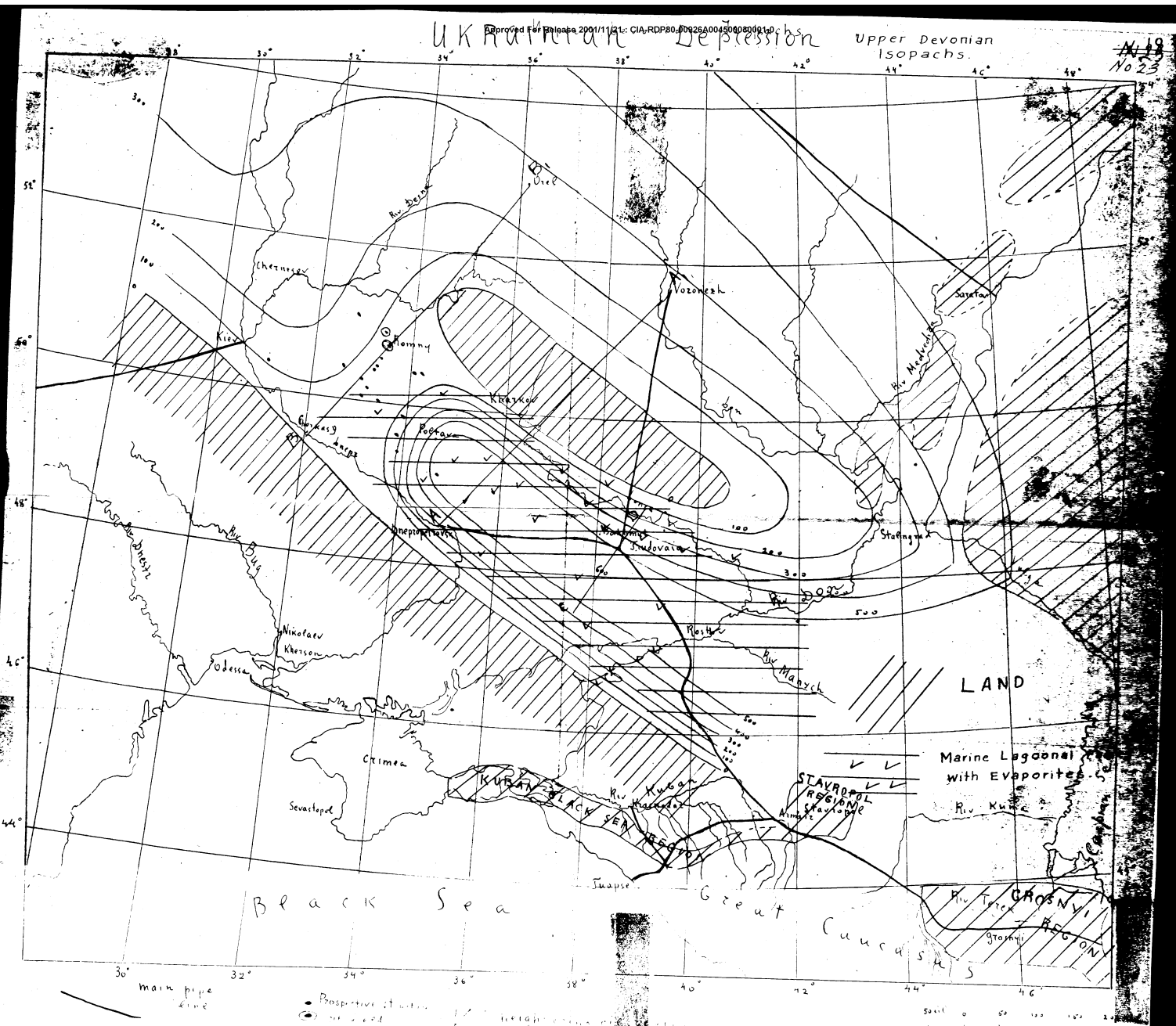
25X1A

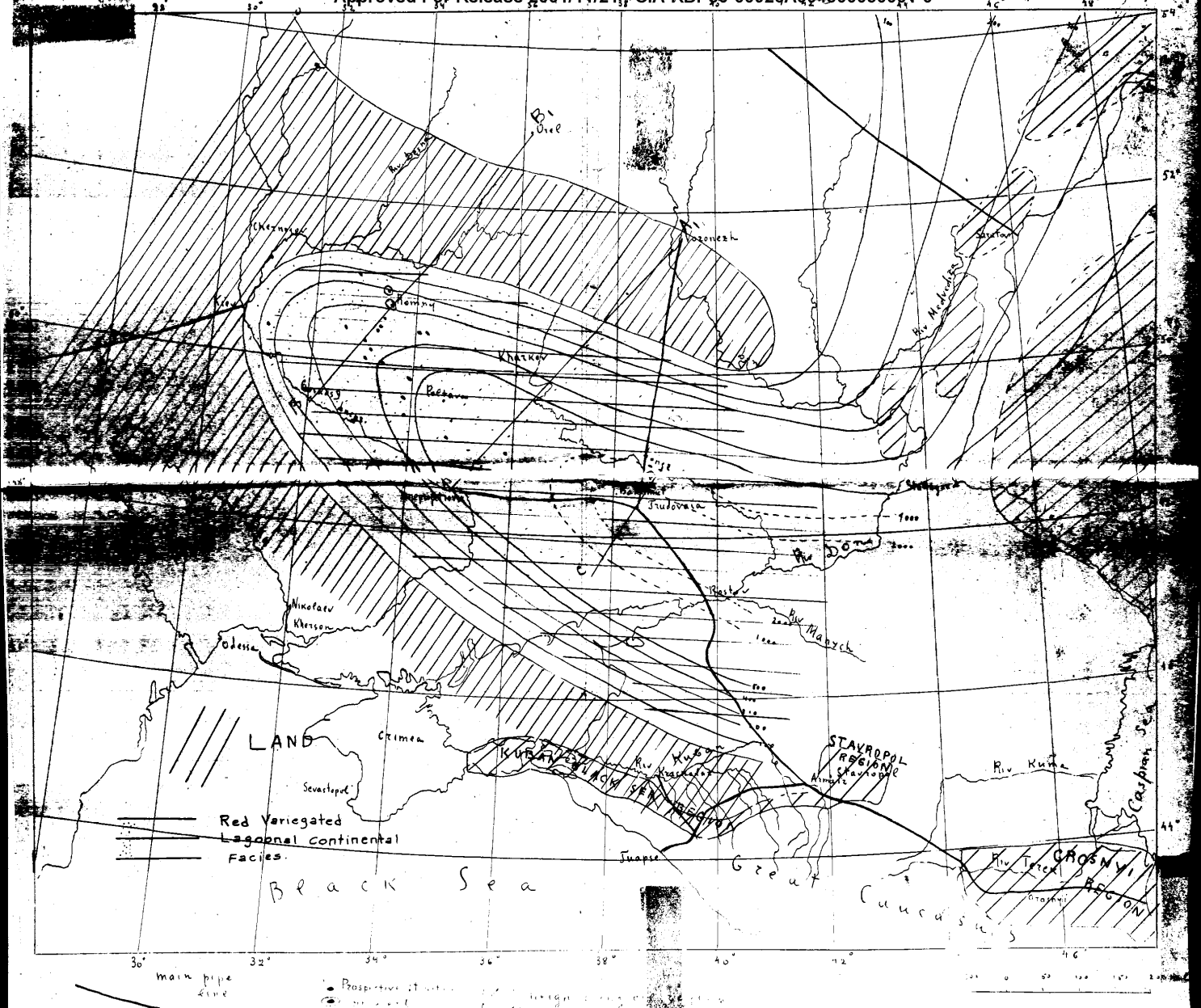
VERTICAL FILE

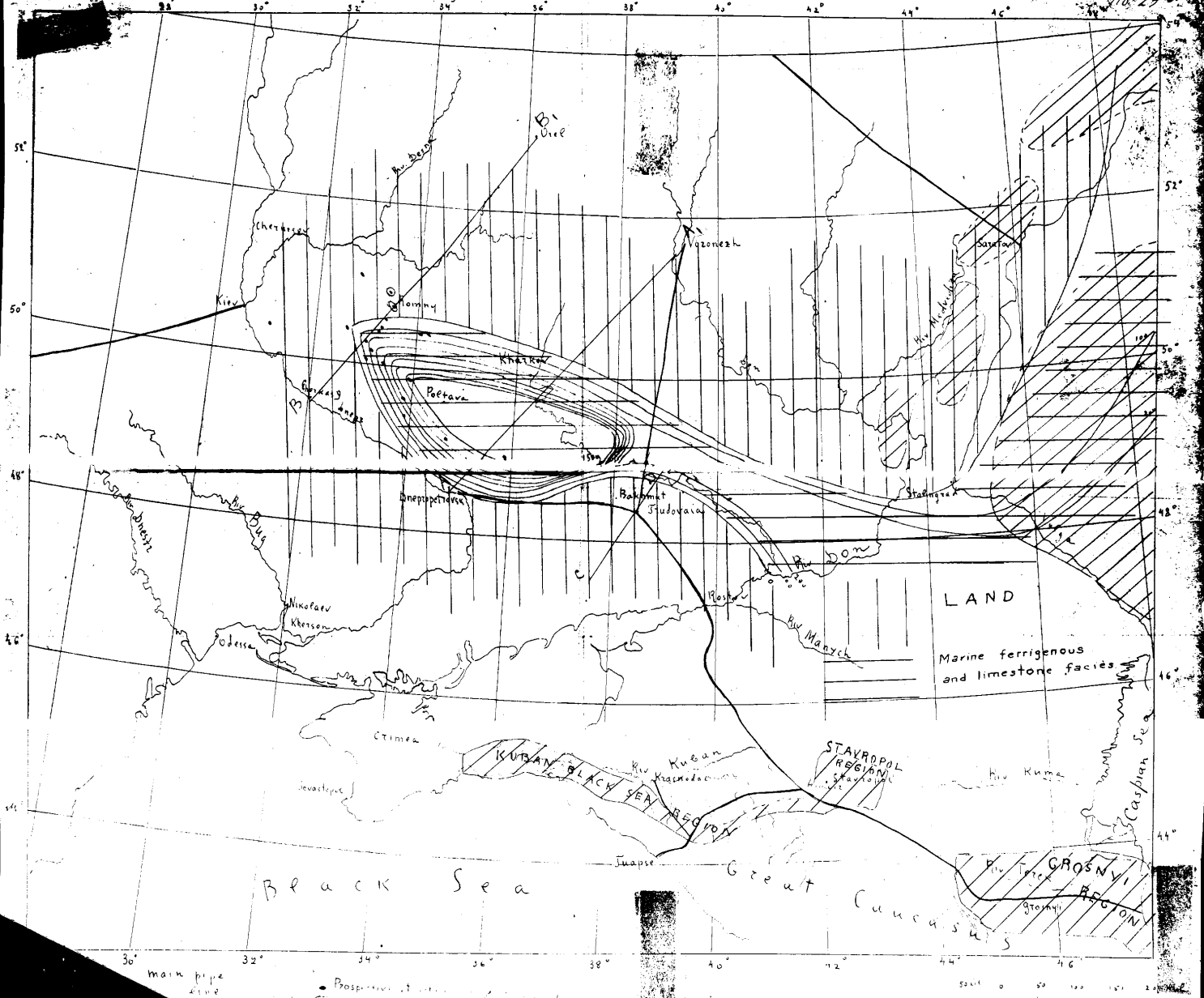
Ukrainian Depression

Upper Devonian
Isopachs.

418
No 23





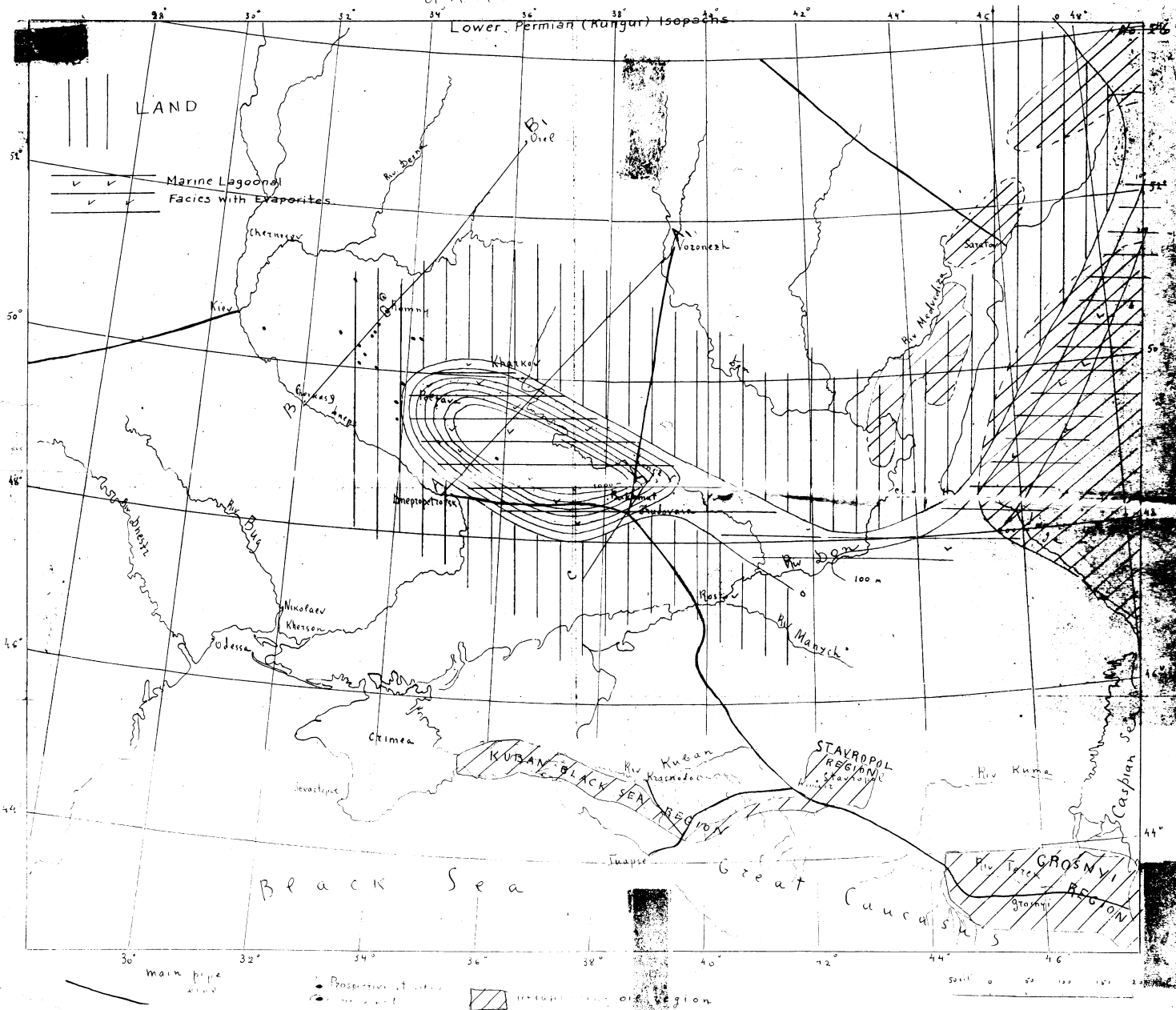


Ukrainian Depression

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No 26 ~~18~~

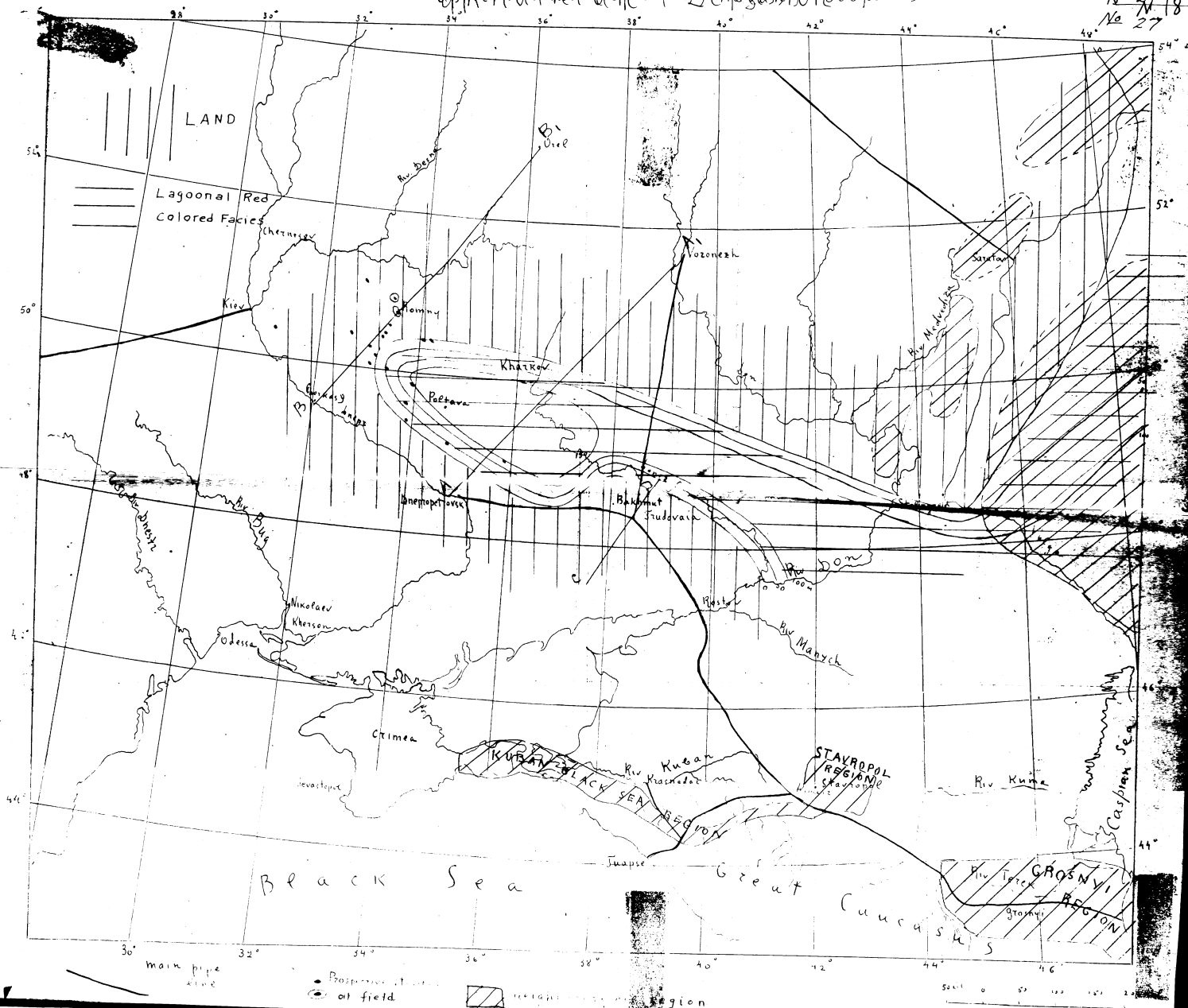
Lower Permian (Kungur) Isopachs



Upper Permian
(Spirifer-Kazan) Isopachs.

Upper Permian (Spirifer-Kazan) Isopachs

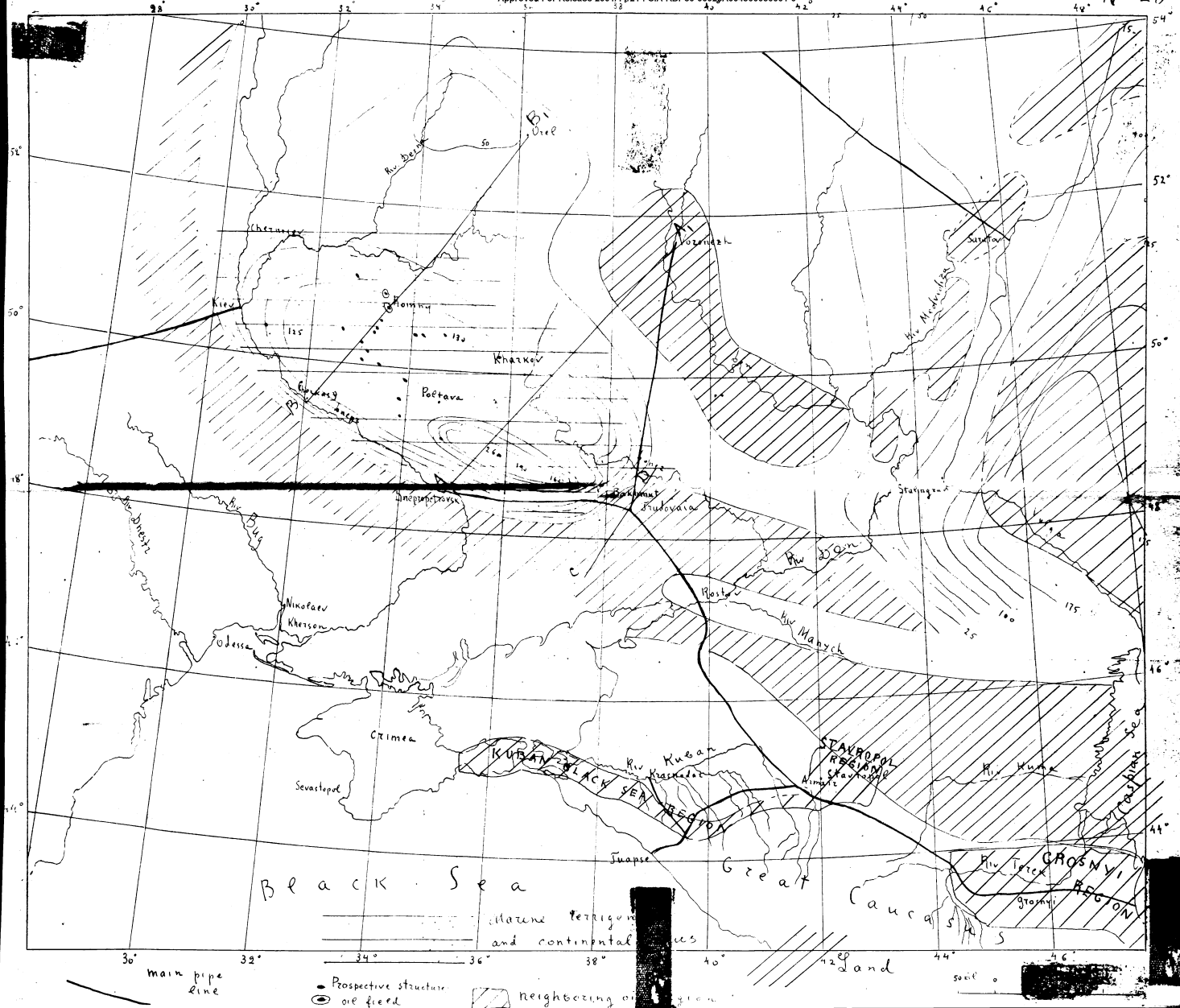
Nº 27
No 27

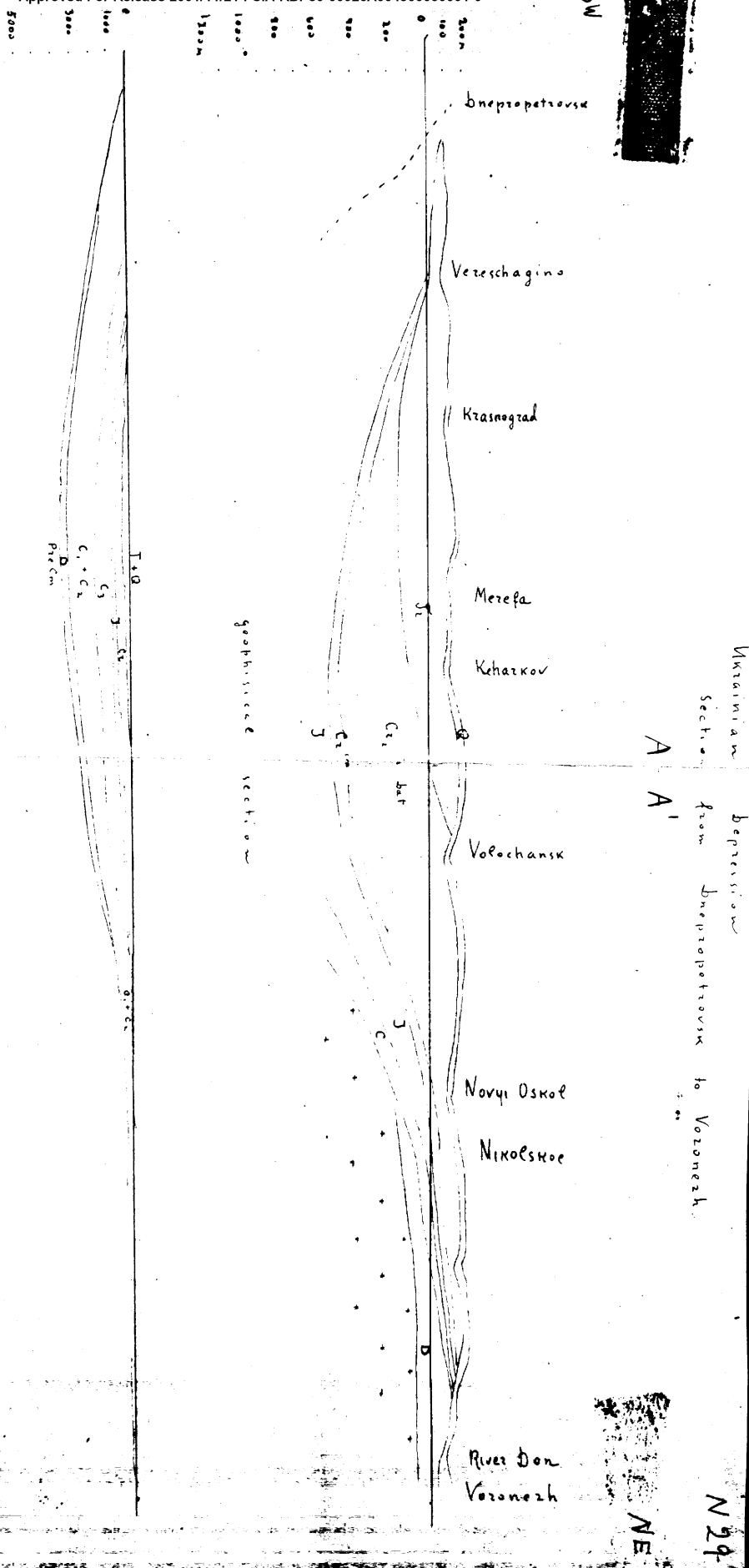


Ukrainian Depression Upper Jurassic Isopachs № 28

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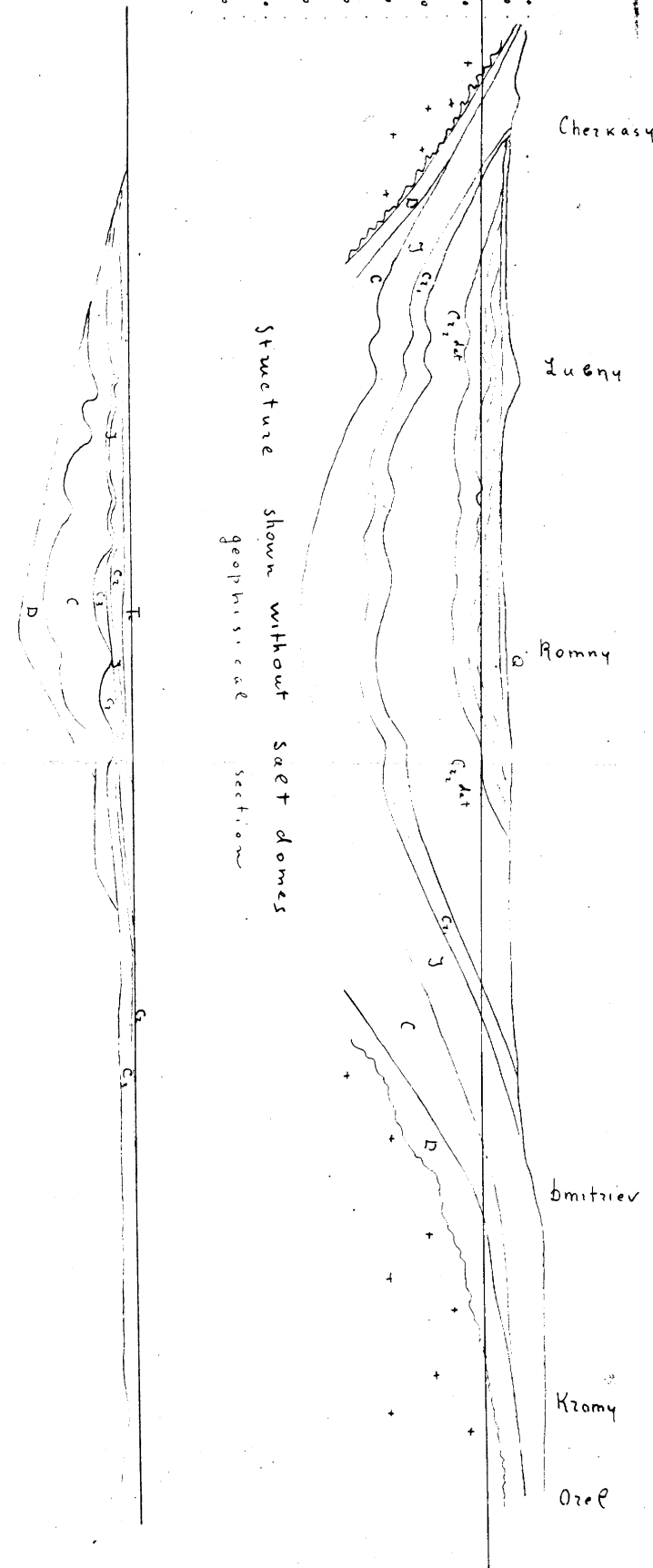
N 28





1000
2000
3000
4000
5000
6000
7000

200
100
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300



Ukrainian depression
section from Zvetkovo to Orel
B - B'

SW

NE

N°30

Vertical scale

5
0
10
20 km



Donetz basin

Nº 31

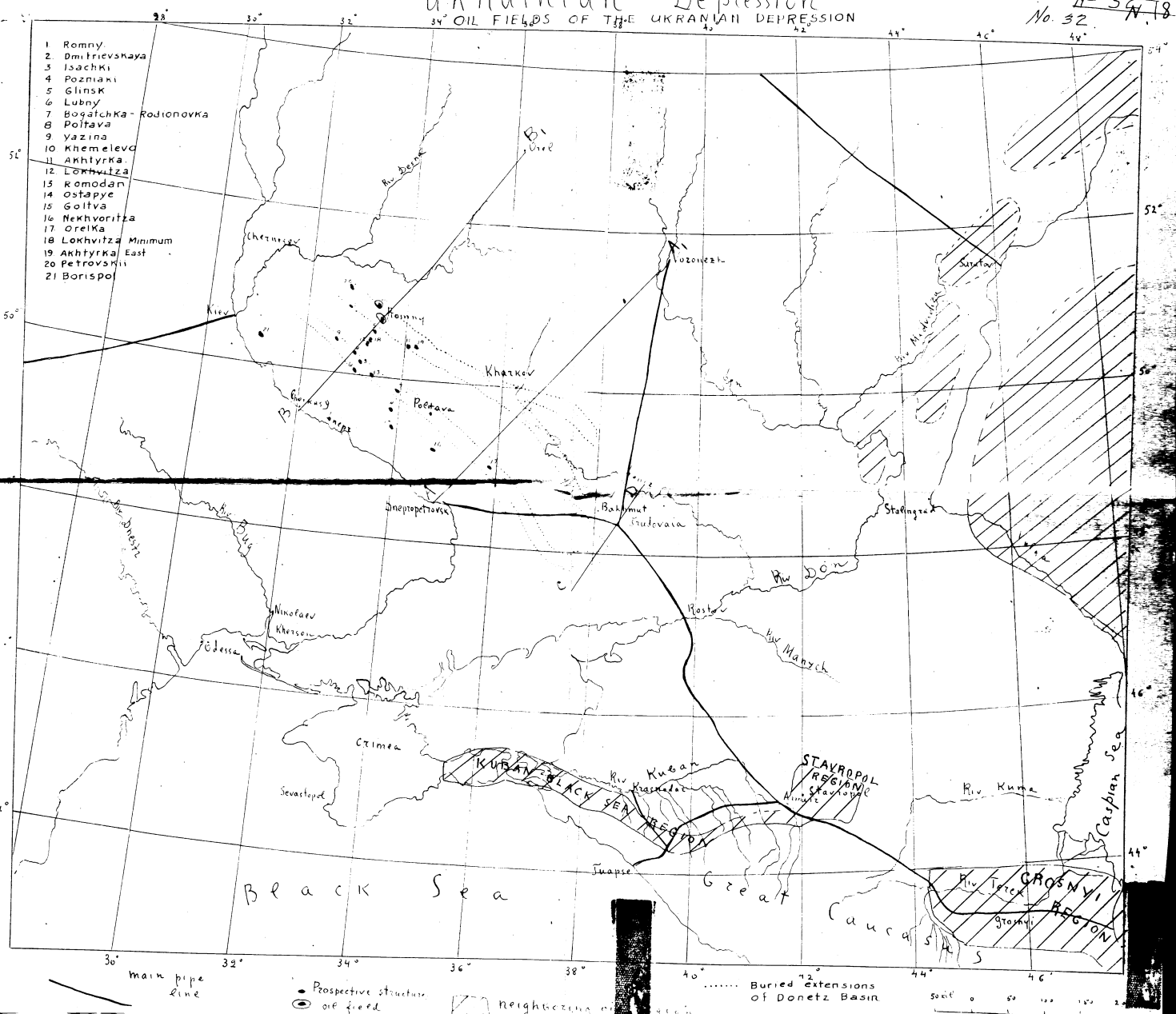
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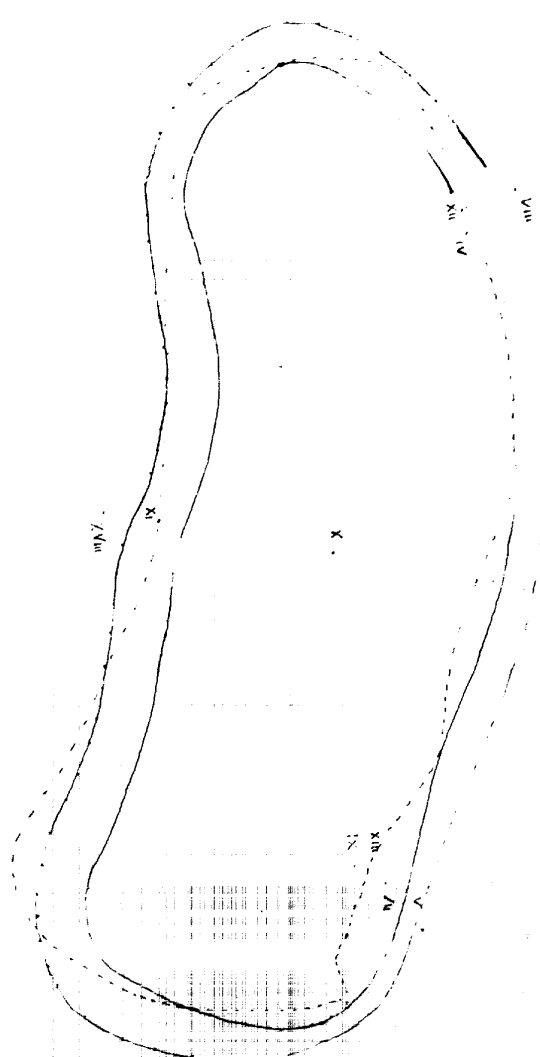
Ukrainian Depression

Oil Fields of the Ukrainian Depression

No. 32

- 1 Romny
- 2 Dmitrievskaya
- 3 Isachki
- 4 Pozniaki
- 5 Glinsk
- 6 Lubny
- 7 Bogatichka-Rodionovka
- 8 Poltava
- 9 Yazina
- 10 Khemeleva
- 11 Akhtyrka
- 12 Lohvylza
- 13 Komodan
- 14 Ostapye
- 15 Goltva
- 16 Nekhvoritza
- 17 Orelka
- 18 Lohvitza Minimum
- 19 Akhtyrka East
- 20 Petrovskii
- 21 Borispol



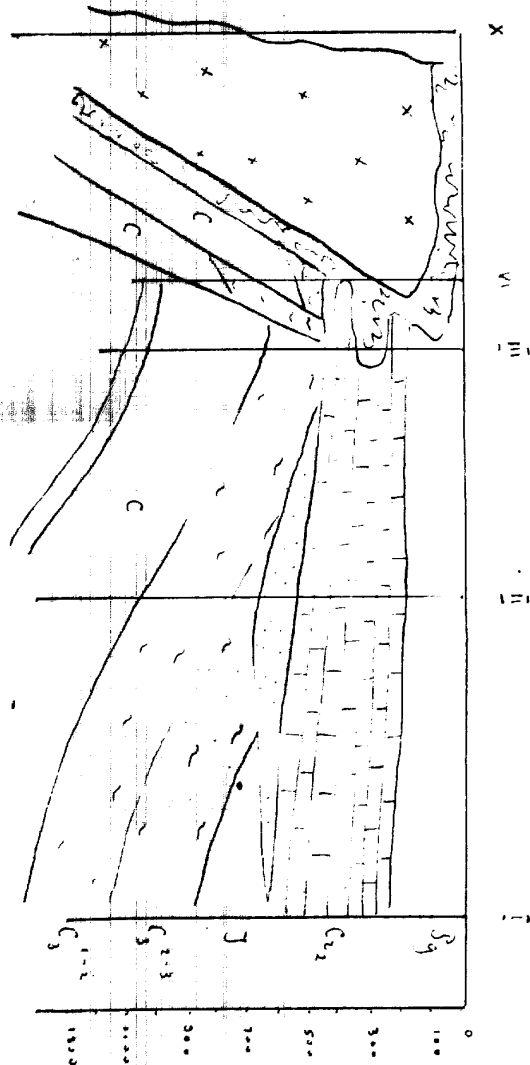


how

35

Breccia by gravimetric survey
 of deep slope of dome by seismic.
 rotary
 drillings

North flank of Honey
sac dome



ILLEGIB

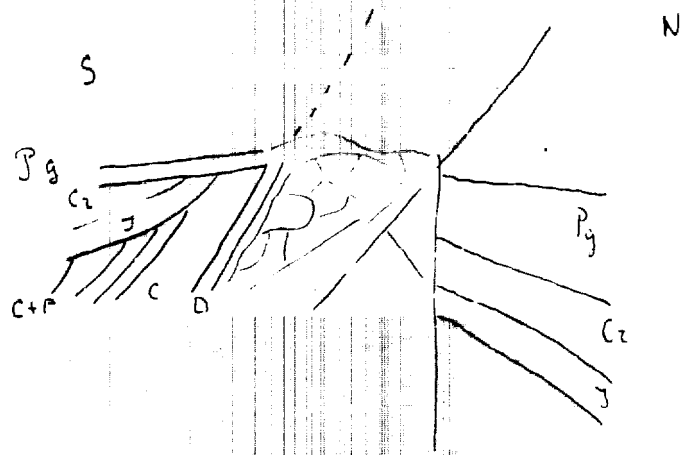
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Next 5 Page(s) In Document Exempt

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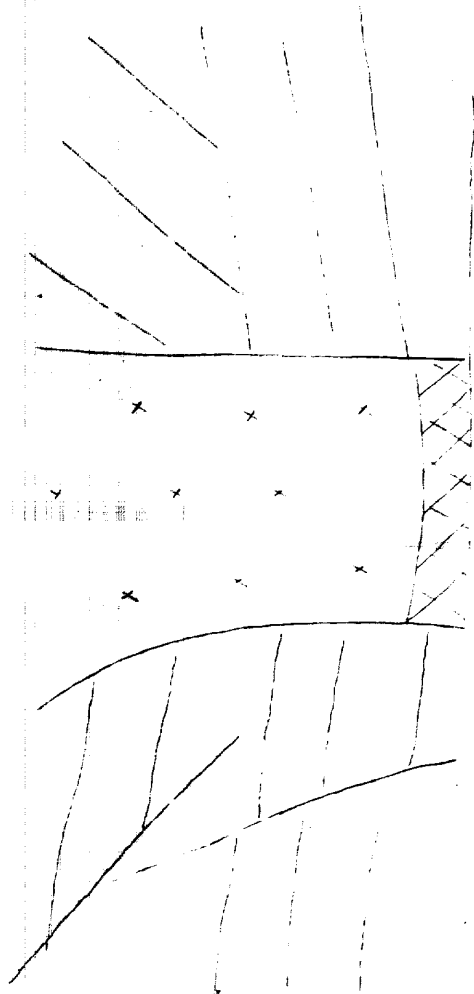
Jsachri salt dome

Nº 3

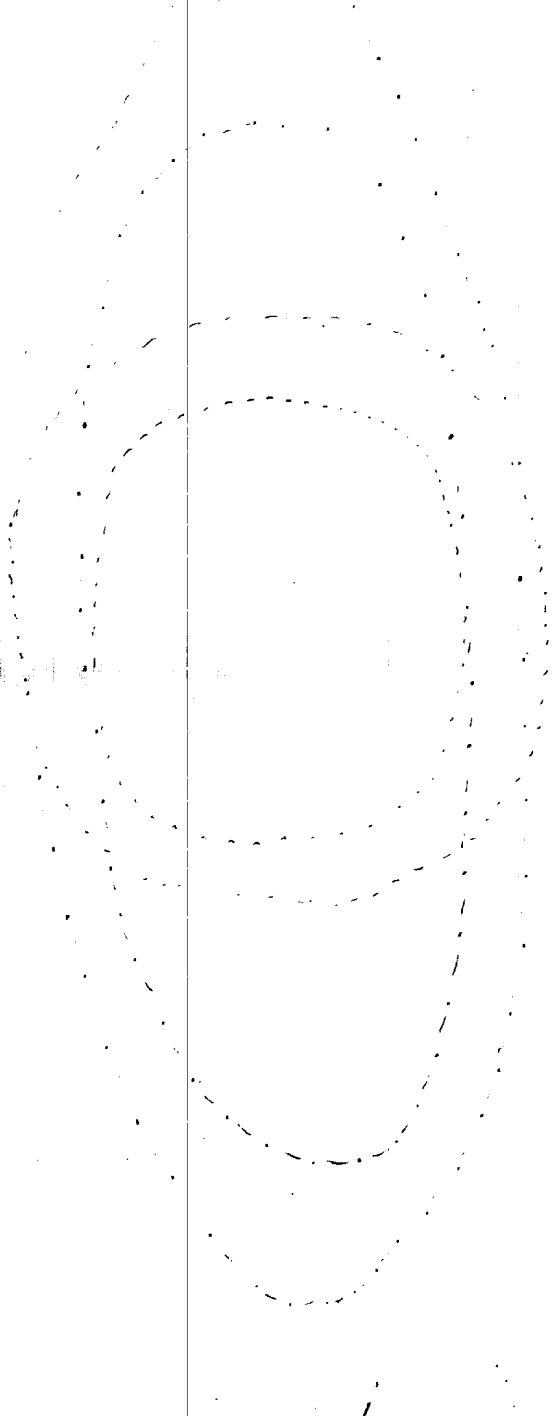


General type
of Ukrainian salt domes

Cross section



Plan



N-34

different types of Ukrainian salt domes
Open dome

Depositional Breccia



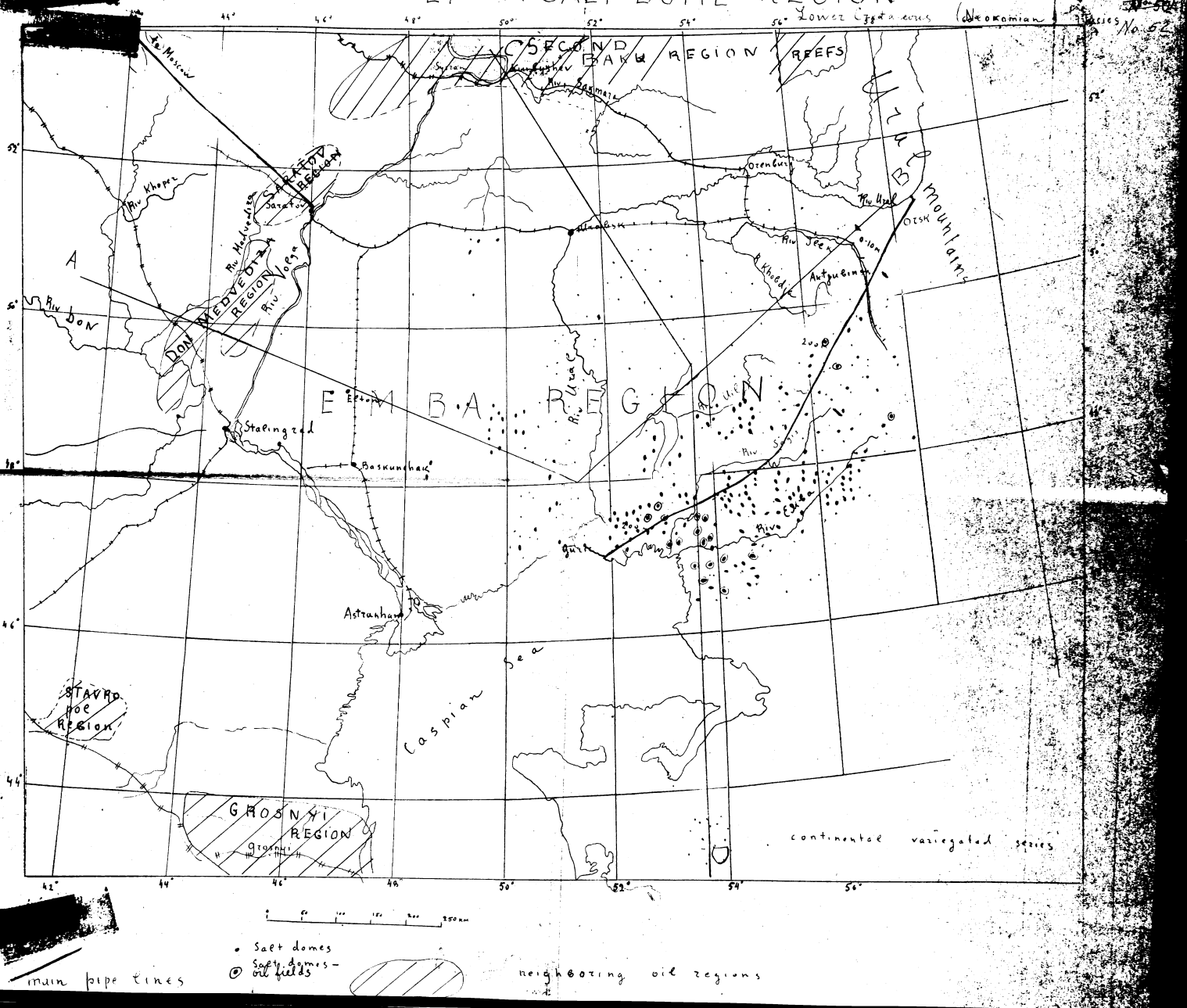
different types of Mesozoic salt domes
closed dome
type breccias.

Depositional Breccia



N. 41

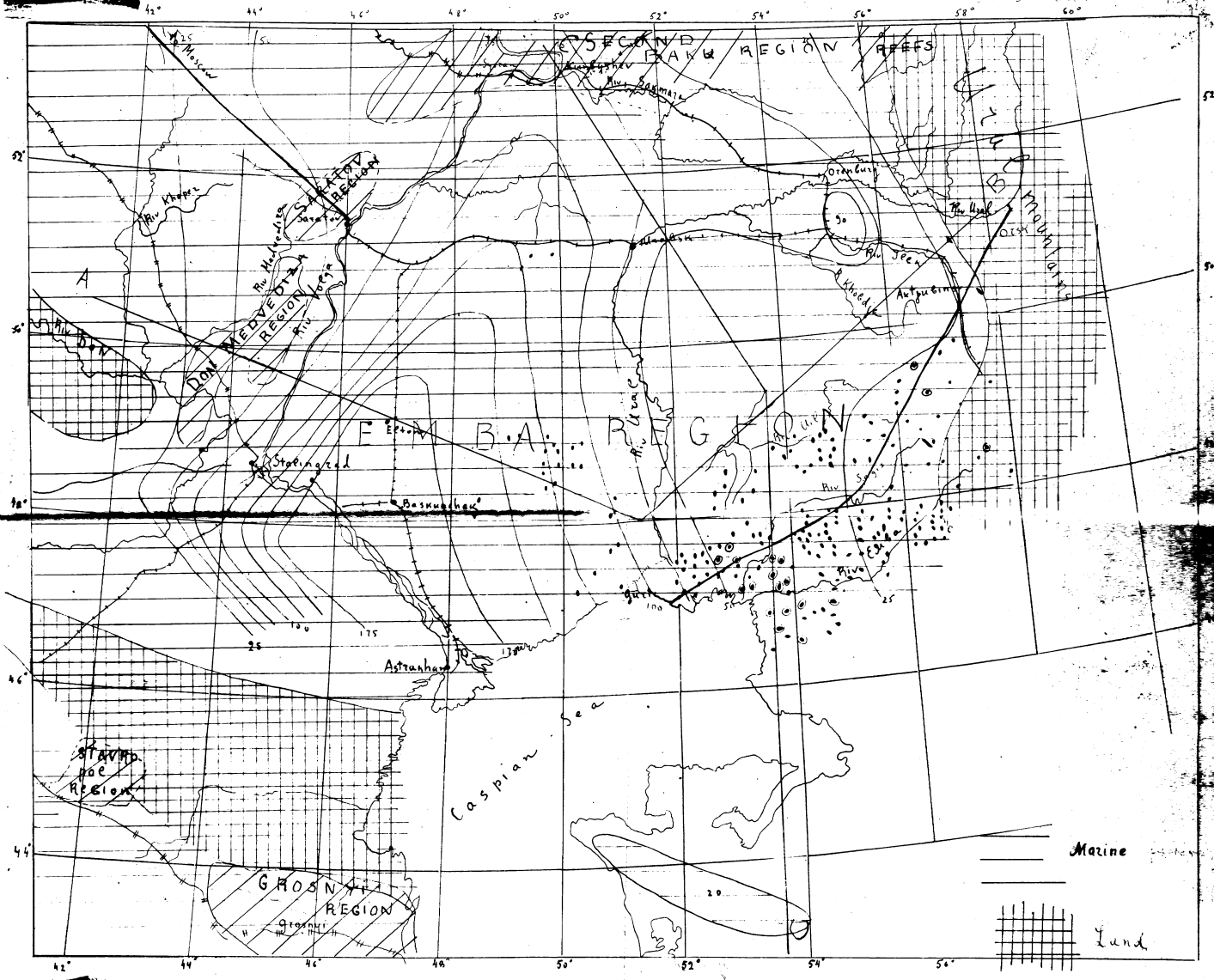
EMBA SALT DOME REGION



EMBA SALT DOME REGION

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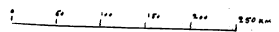
UTUSSIC 7 subpages
No 51



- Salt domes
- Oil fields

main pipeline lines

neighboring oil regions

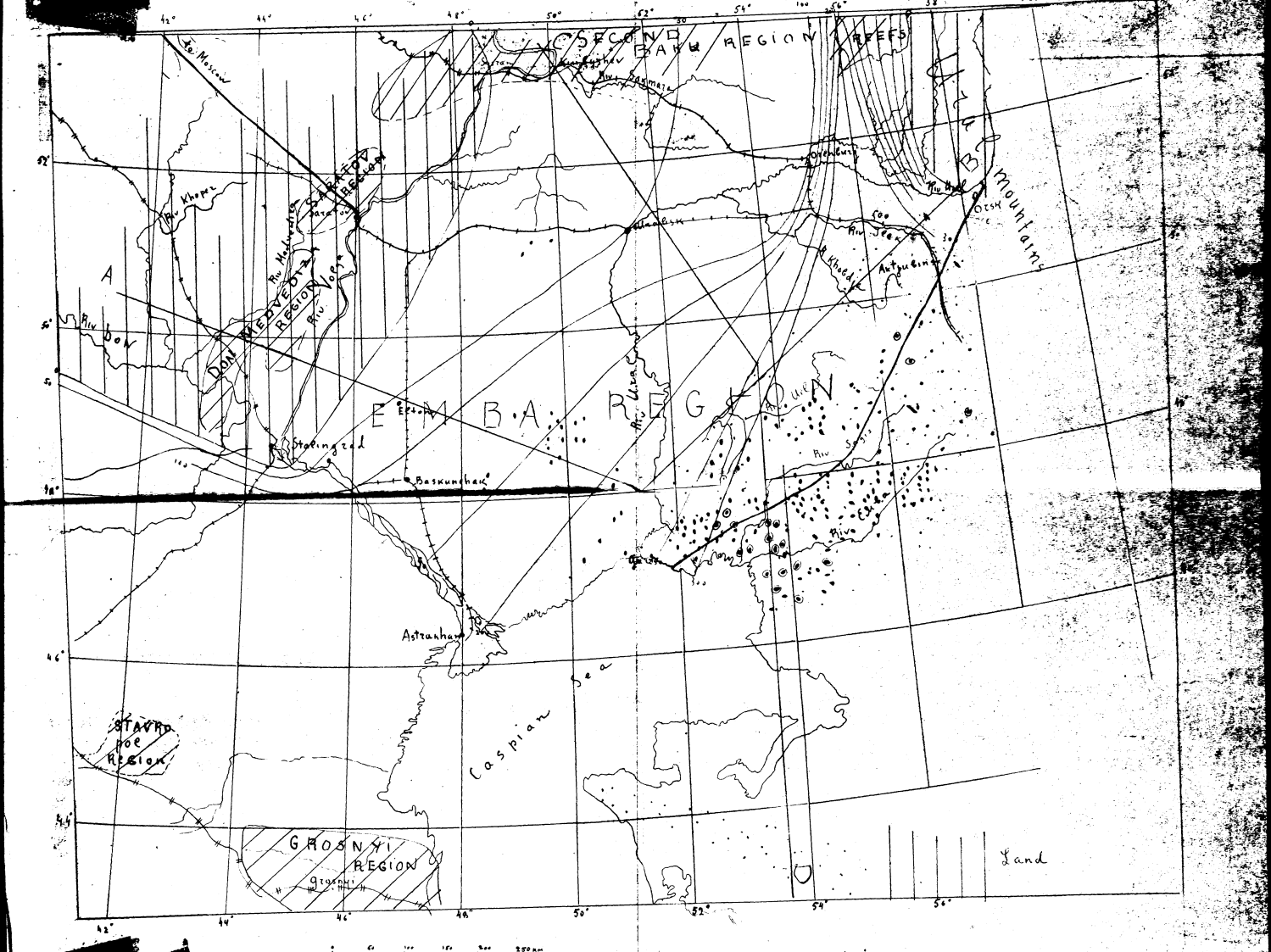


- neighboring oil regions

EMBA SALT DOME REGION

Upper Permian (Siberian - Kazan) Epoch

No. 119



- Salt domes
- Salt domes - oil fields

neighboring oil regions

Continental red series

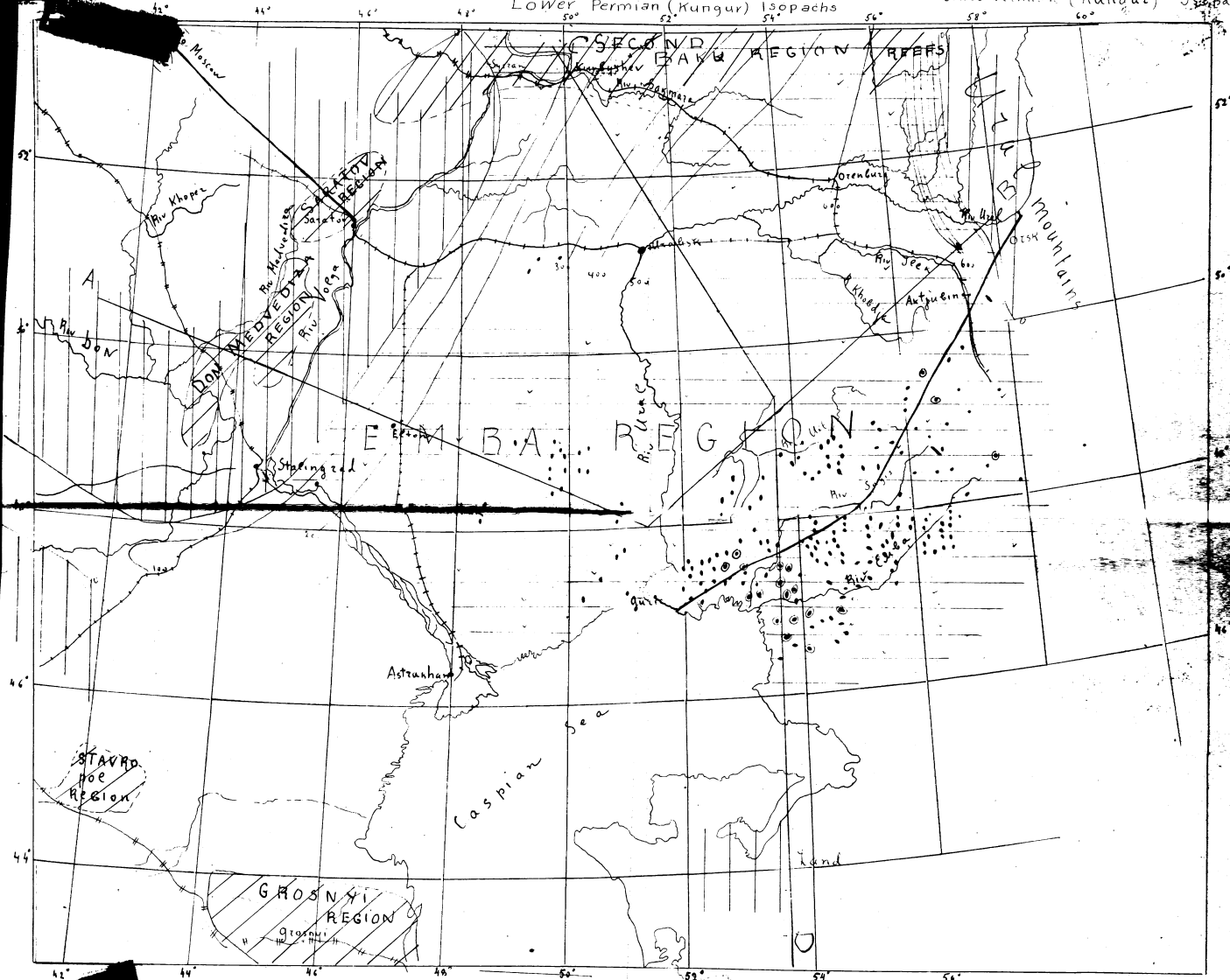
main pipe lines

EMBA SALT DOME REGION

Lower Permian (Kungur) Isopachs

Lower Permian (Kungur) Isopachs

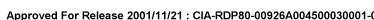
Isopachs No. 48



Evaporite sediments

- Salt domes
- oil fields

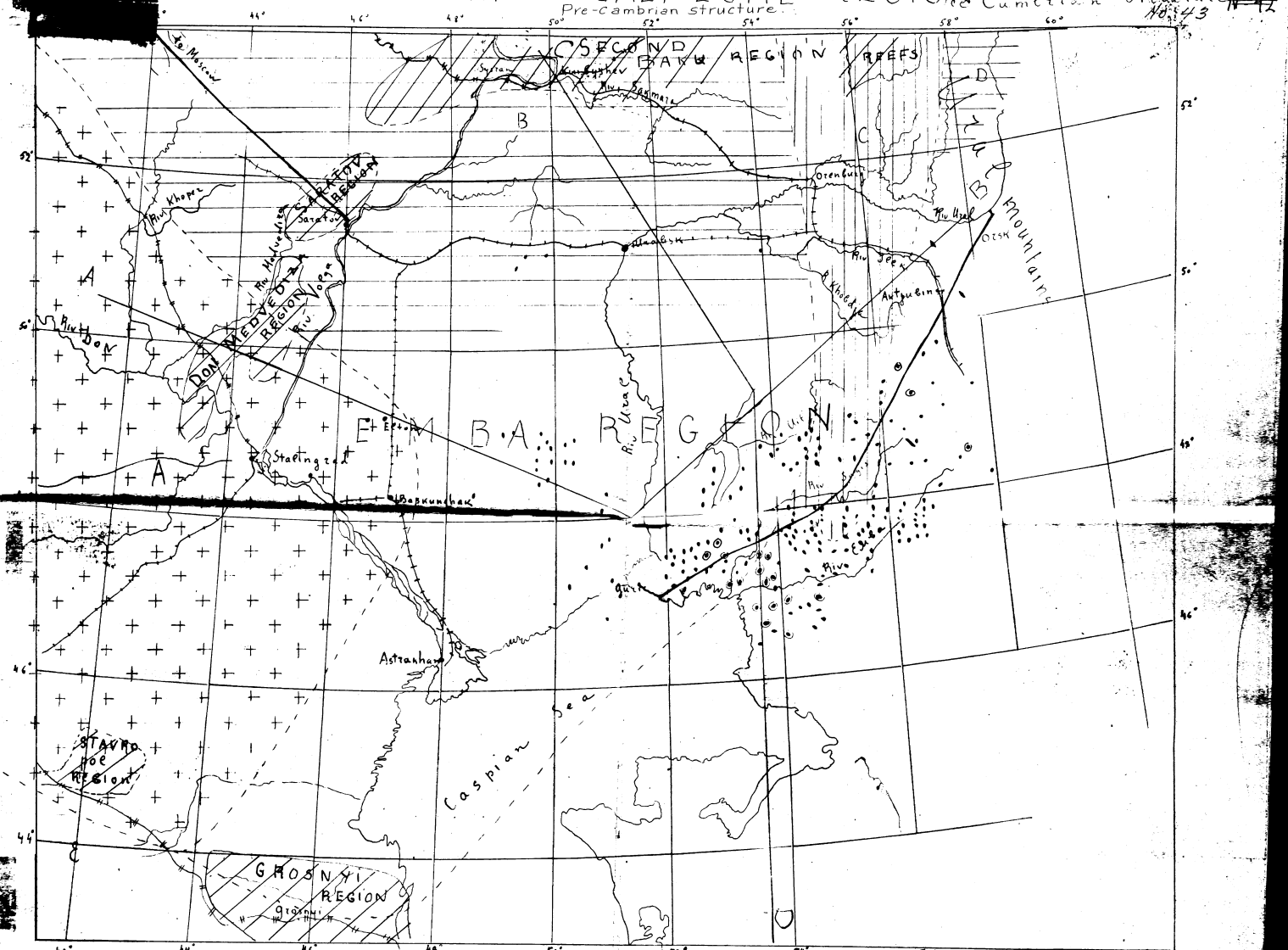
neighboring oil regions



EMBA SALT DOME REGION

Pre-Cambrian structure

Cambrion Structure No. 43



Neighboring Oil Regions

0 50 100 150 200 250 Km

• Salt Domes
• Salt Domes - oil fields

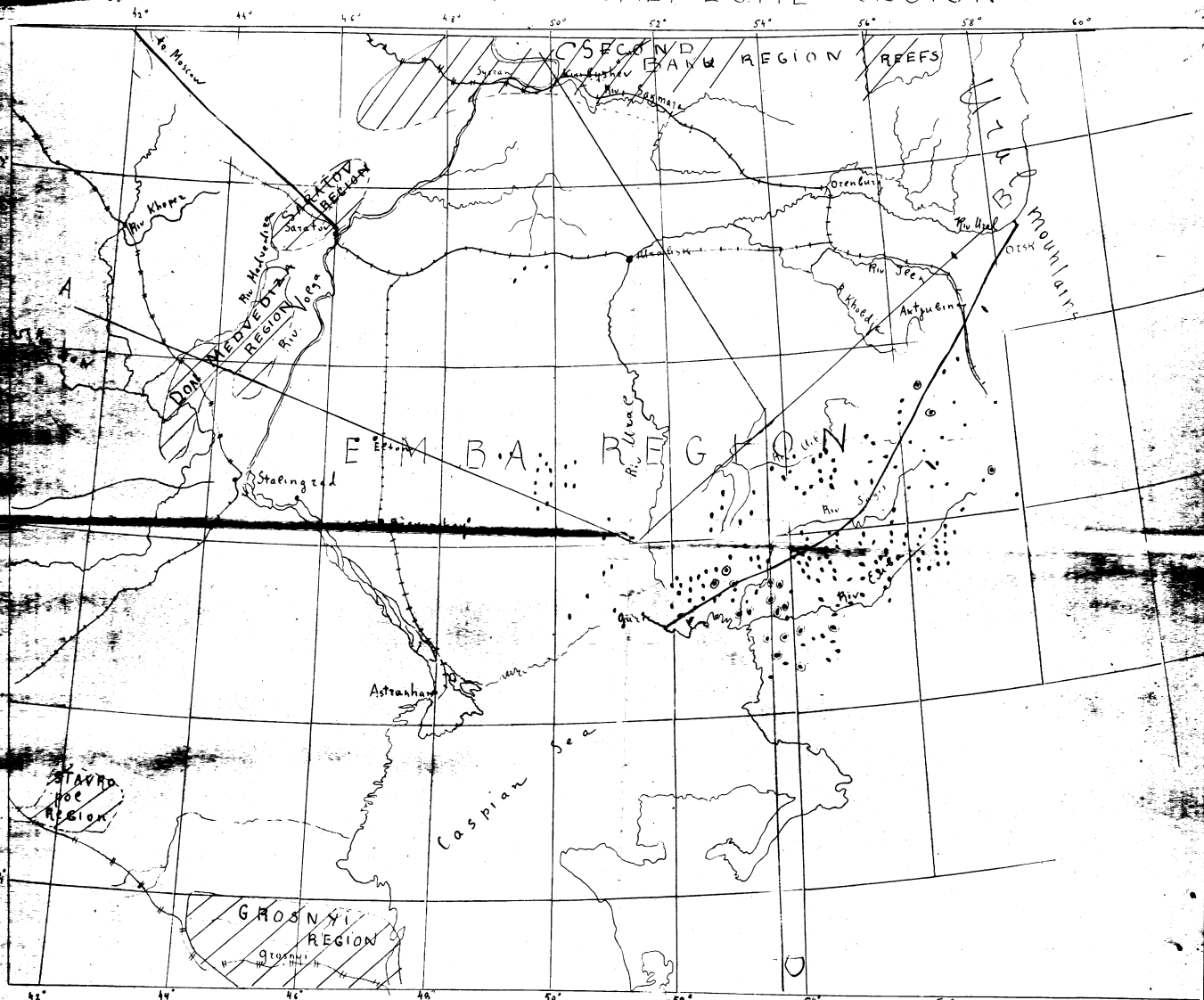
Main Pipe Line

- A. Pre-Cambrian (Pre Karelian) Massif covered by sediments.
- B. Area of Karelian folding covered by sediments.
- C. Outer Zone Area of Rifei (Latter Proterozoic folding)

- D. Inner Zone of Rifei (Latter Proterozoic) folding
- E. Caucasian portion of Rifei folding zone

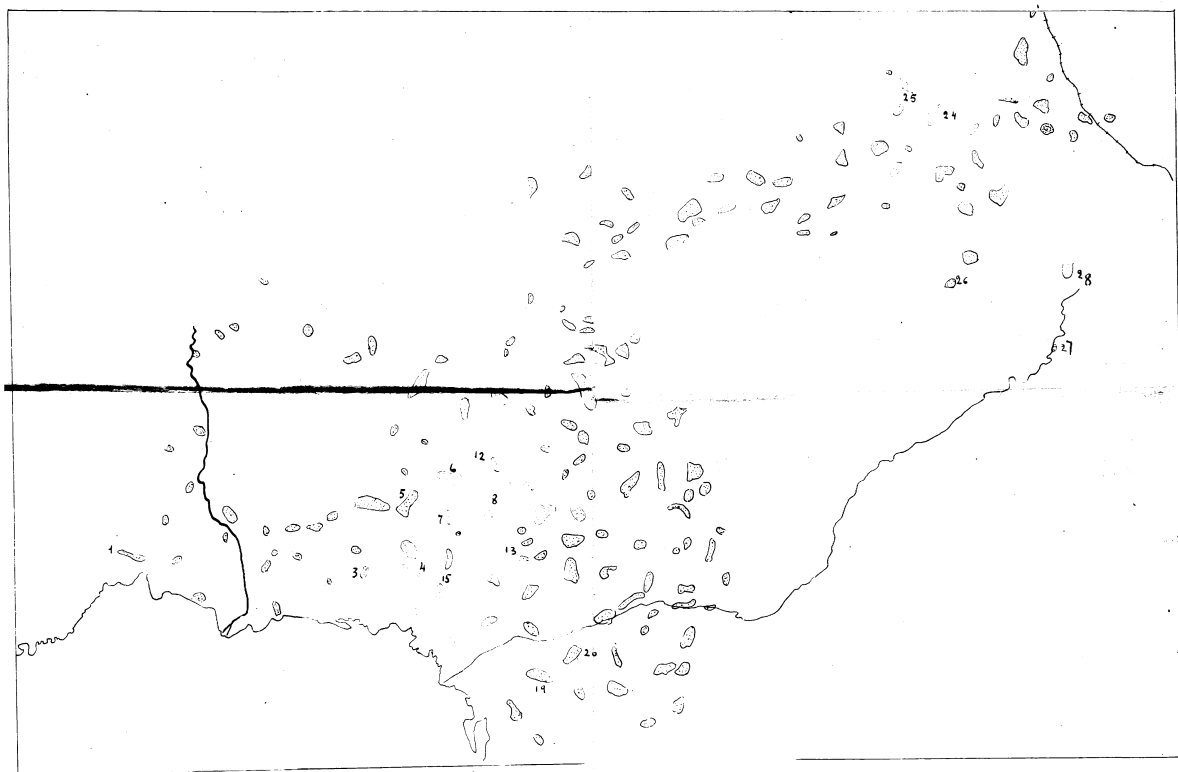
EMBA SALT DOME REGION

Nº 42



EMBA SALT DOME REGION

N 54

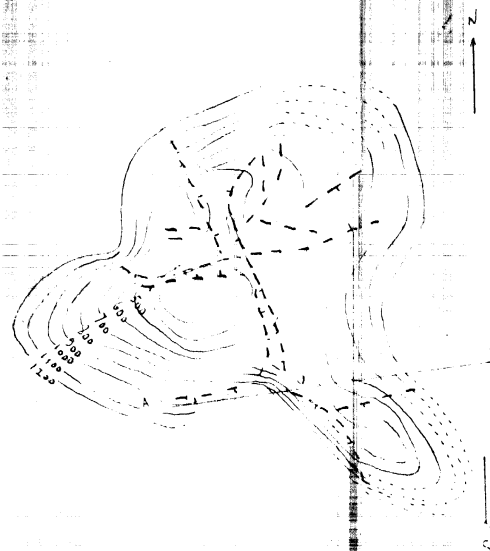


- 1- Novobogatinsk
- 3- Is Kine
- 4- Baichunas
- 5- Dossor
- 6- Makat
- 7- Sagis
- 8- Koshkar
- 12- Zhodybai
- 13- Narmurdenak
- 15- Jentjak Ser
- 19- Koschagyl
- 20- Kulsary
- 24- Shubar Kuduk
- 25- Djak symai
- 26- Hassai
- 27- Kumyztube
- 28- Mortuk

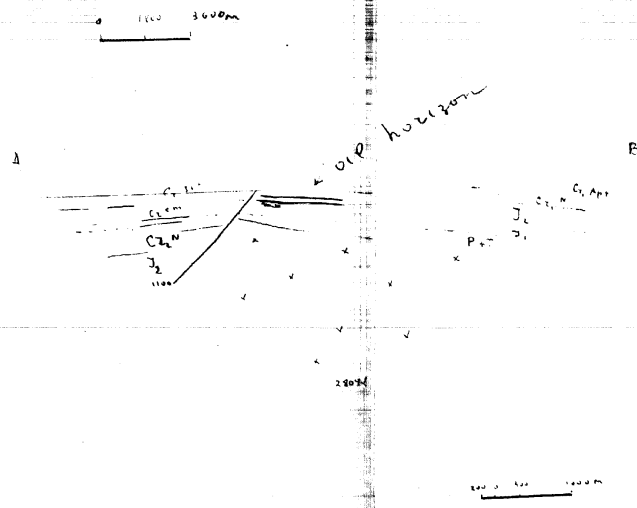
② Gravelly surface, mostly 10-20m high, salt dome

⑤ Minima correspond to production well

Representative al Freed's N° 38
Emba Region



Surface of salt



Makat

Nº 58a

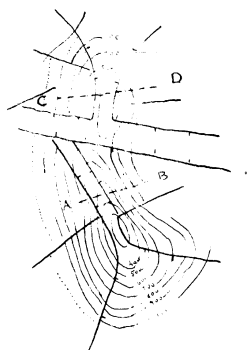


— contour line of the salt surface
— contour lines of the uplift
in bed below salt series (in Azhinsk)

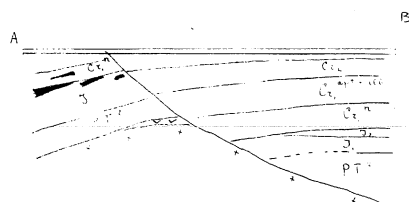
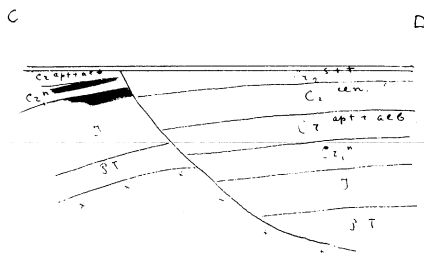
presence of structure below salt series

Baichunas

Nº 59



Surface of dune
— faults in deposits on top of dome

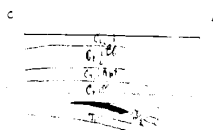
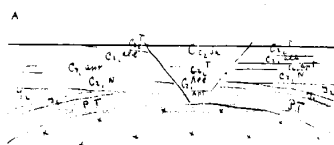
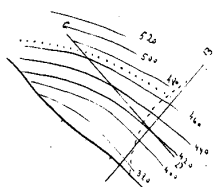


sil
v v caprock
+ x salt

Emba region Jentjak sor oil field

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Nº 60

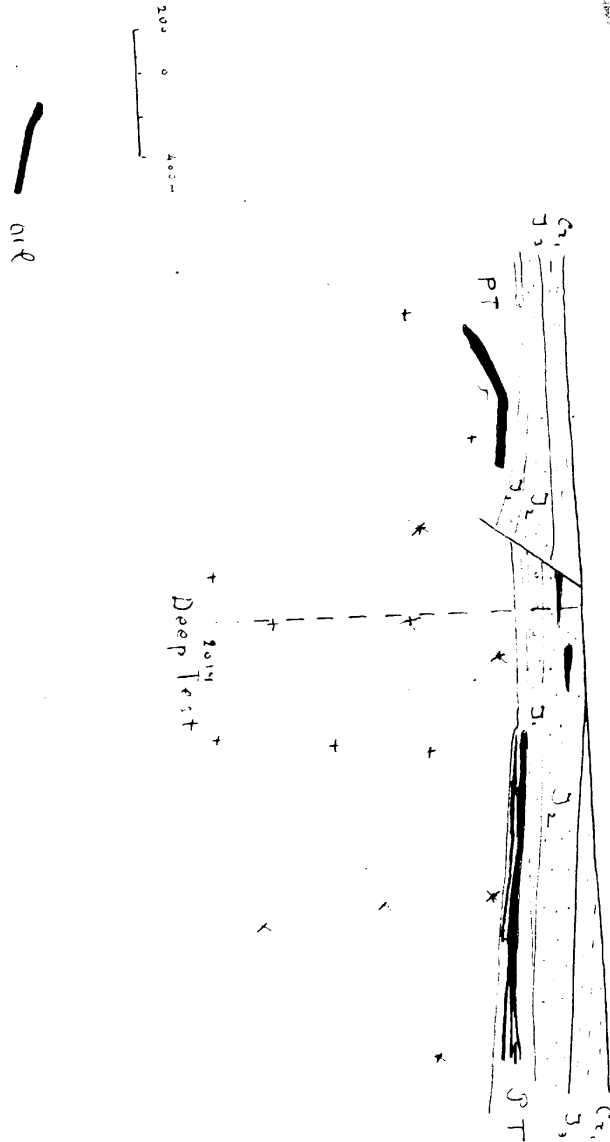


South Koshwal



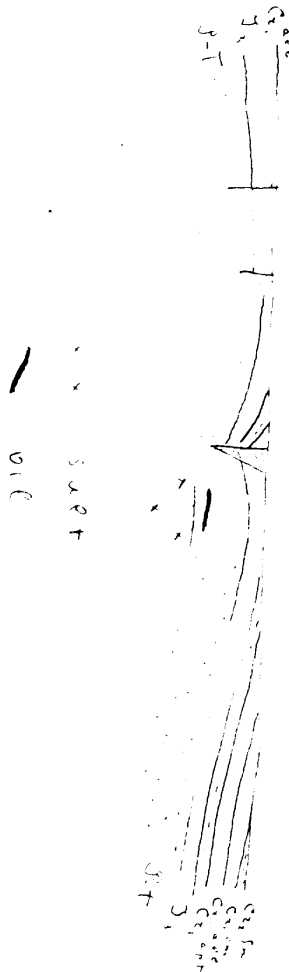
oil sands
water sand

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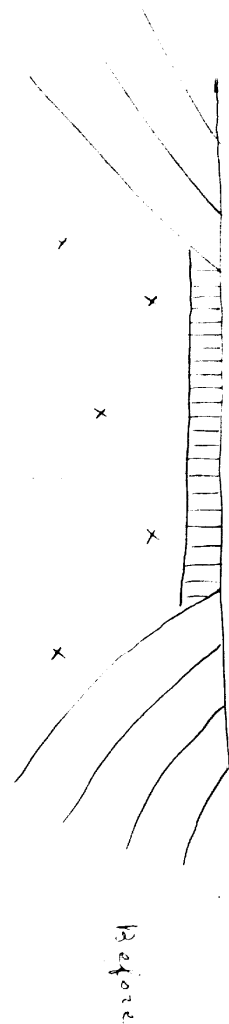
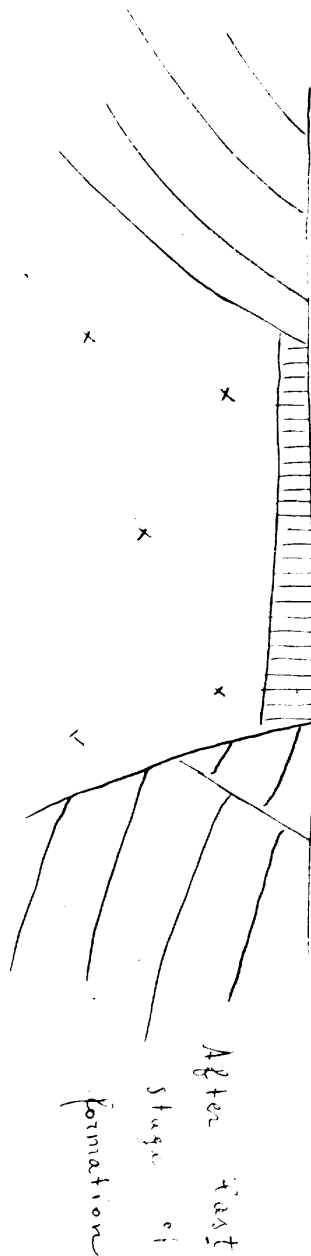
Sh u e z k s b x

Nº 61



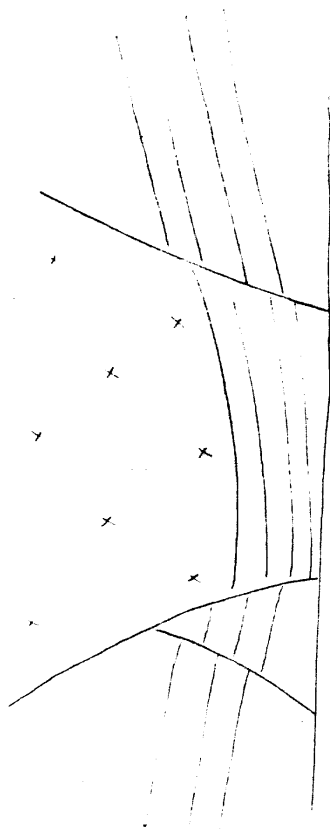
021 nki salt dome

N:62

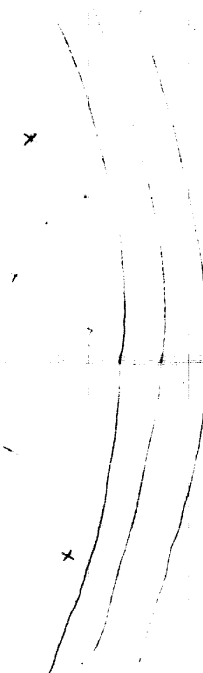


Sact domes
type recent abrasion

Nº 63



after fast stop



Before

Soil erosion
Type without abrasion
(boiler, metal, Shubamudra)

Nº 64

Jaet domas
type transgressive
(Tsuine)

cover

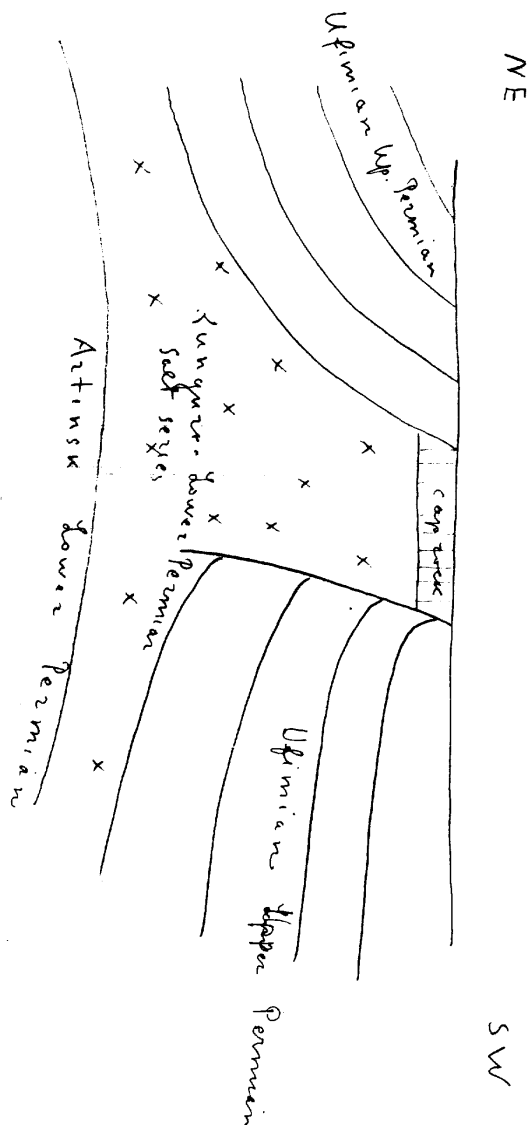
As 165

Before

After East stage
of deformation

Salt anticlines
+ type Dzhusa
in south Ural - rough

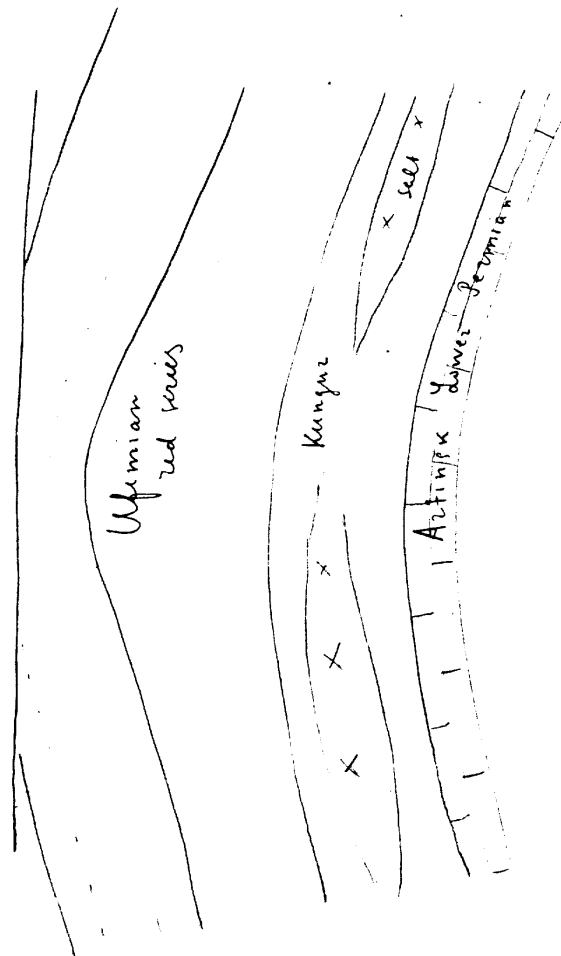
N 66



Saet anticeles
type Artueinsx

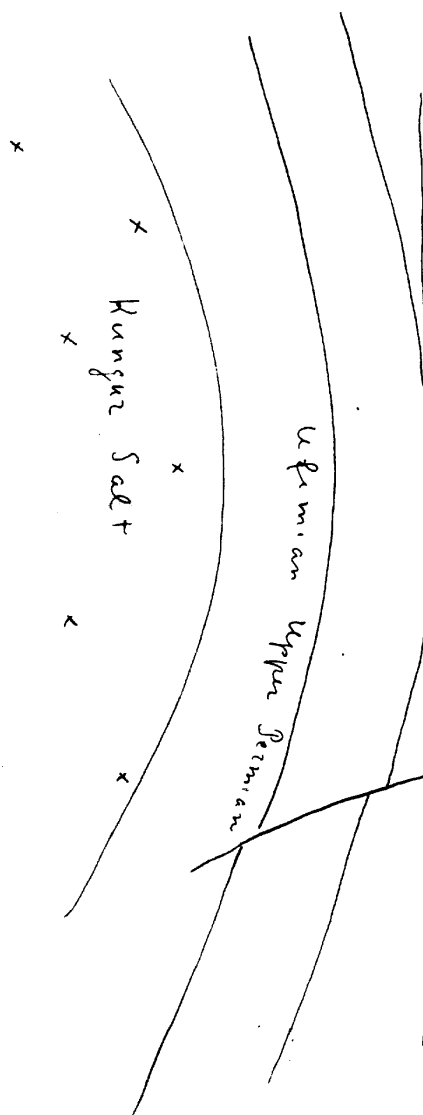
N67

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Saet anticlines
+ type Krasnopolarsk



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SECOND BAKU

Nº 69

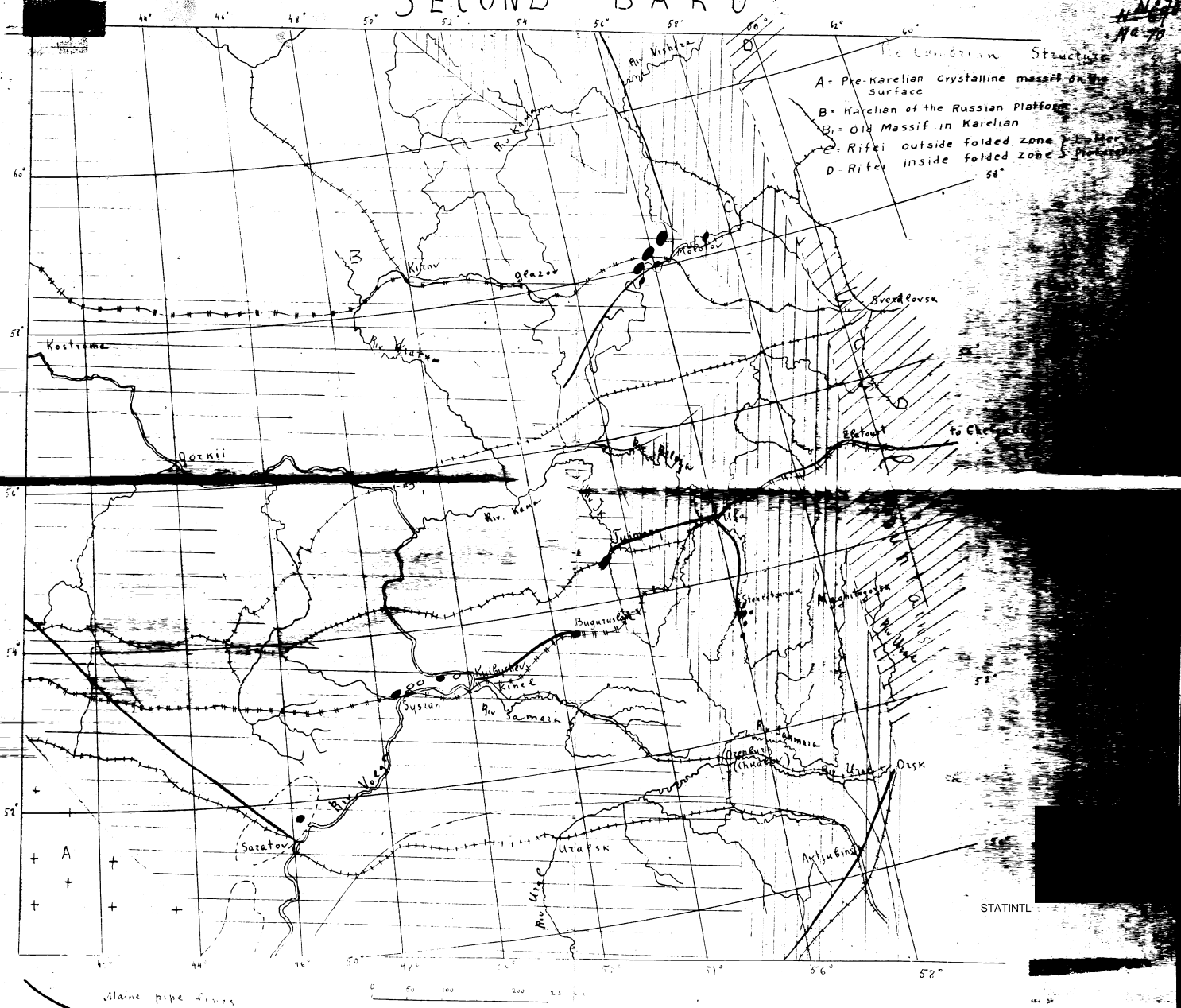
The map depicts the Caucasus region, including parts of Georgia, Armenia, and Azerbaijan. It features a grid of latitude and longitude lines. Key locations marked include Kostroma, Qazvin, Kirov, Gafazov, Sverdlovsk, Zlatoust, Cheljabinsk, and Orenburg. Rivers shown include the Volga, Kura, and Araks. A network of oil pipelines is drawn, with a prominent line running from the Caspian Sea area through the Caucasus towards the west. A scale bar at the bottom indicates distances up to 250 km. The text 'Maine pipe lines' is written at the bottom left.

Maine pipe lines

0 50 100 200 250 km

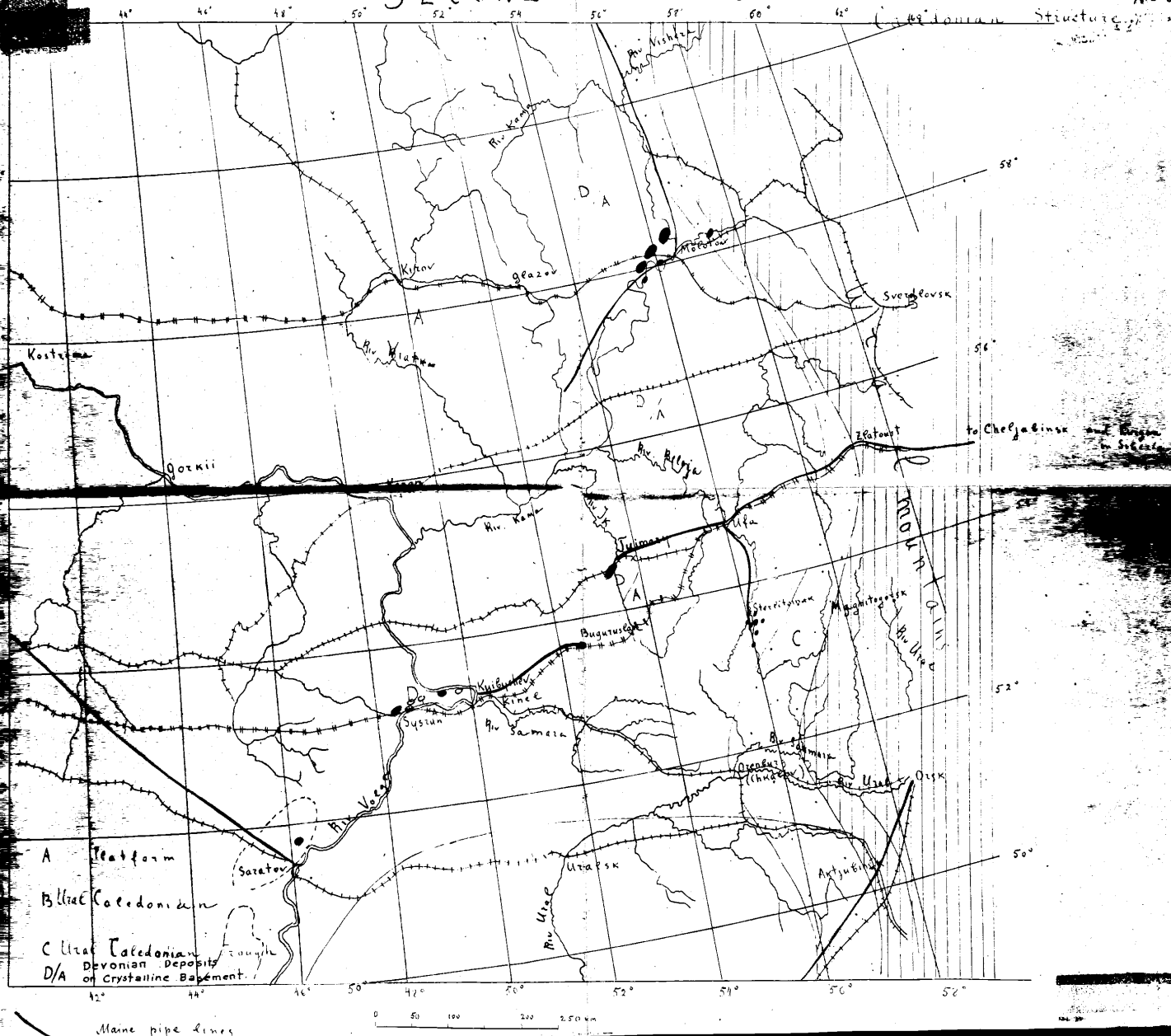
SECOND BAKU

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Release 2001/11/21 : CIA-RDP80-00926A000100010001-5

No 71 ~~N: 71~~
~~N: 69~~



A Platform
B Ural Caledonian
C Ural Taledonian
D/A Devonian Deposits
on Crystalline Basement.

Maine pipe lines

ILLEGIB



- [illegible]



Russian
Kontingent

Unit French

Unit

Unit

AT

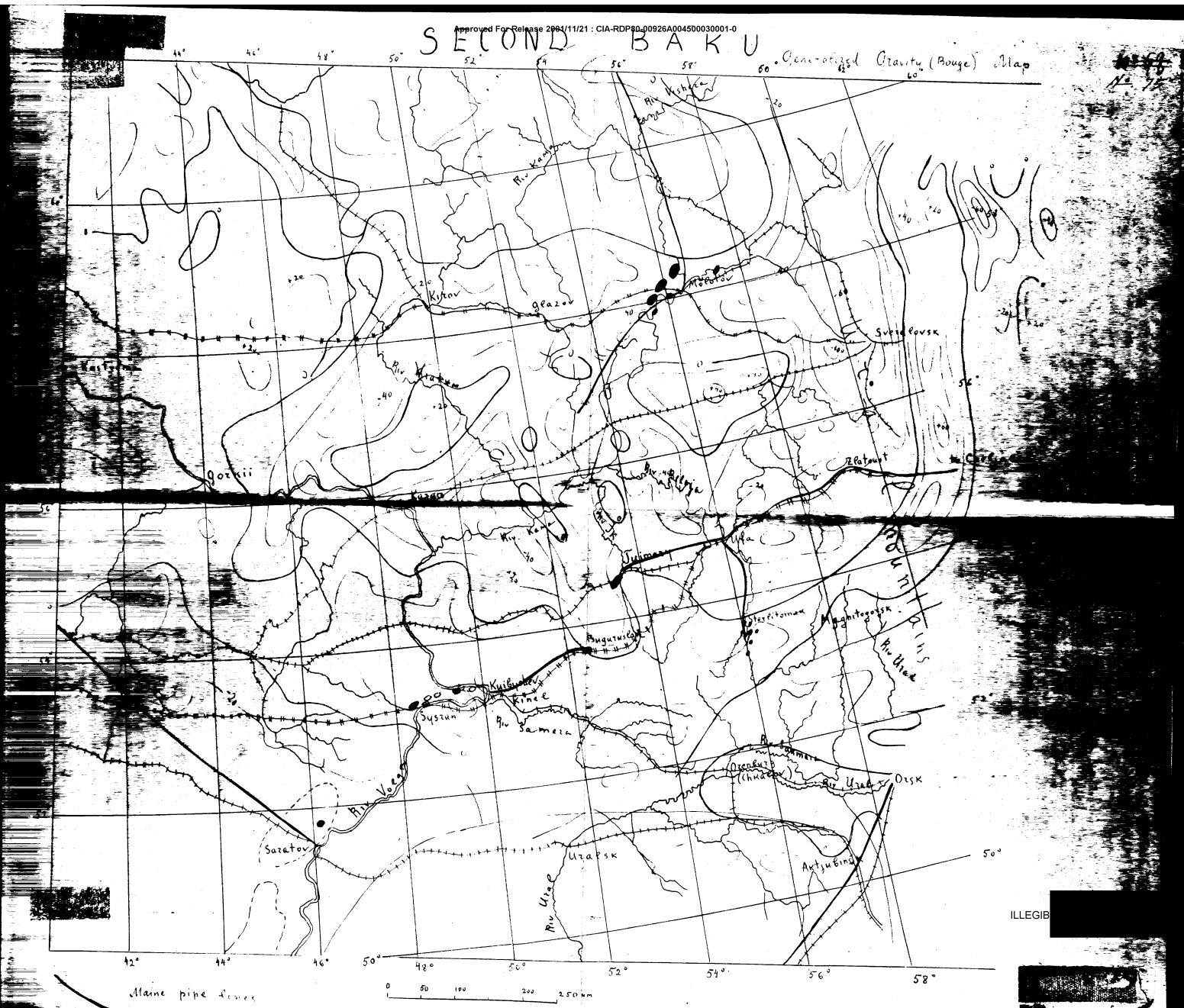
30"



SECOND BAKU

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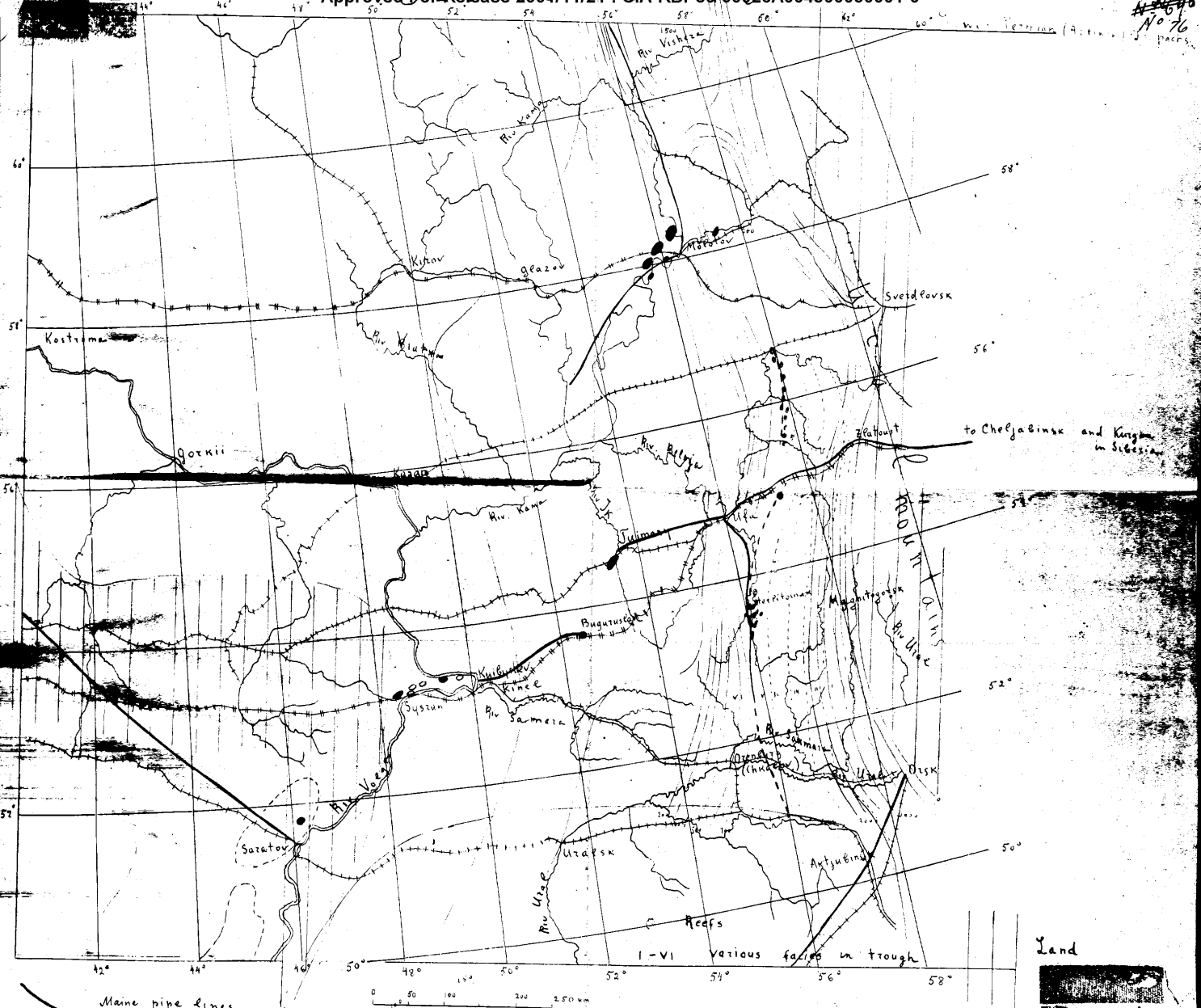
Generalized Gravity (Bouge) Map



ILLEGIB

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4476
No 76
pages

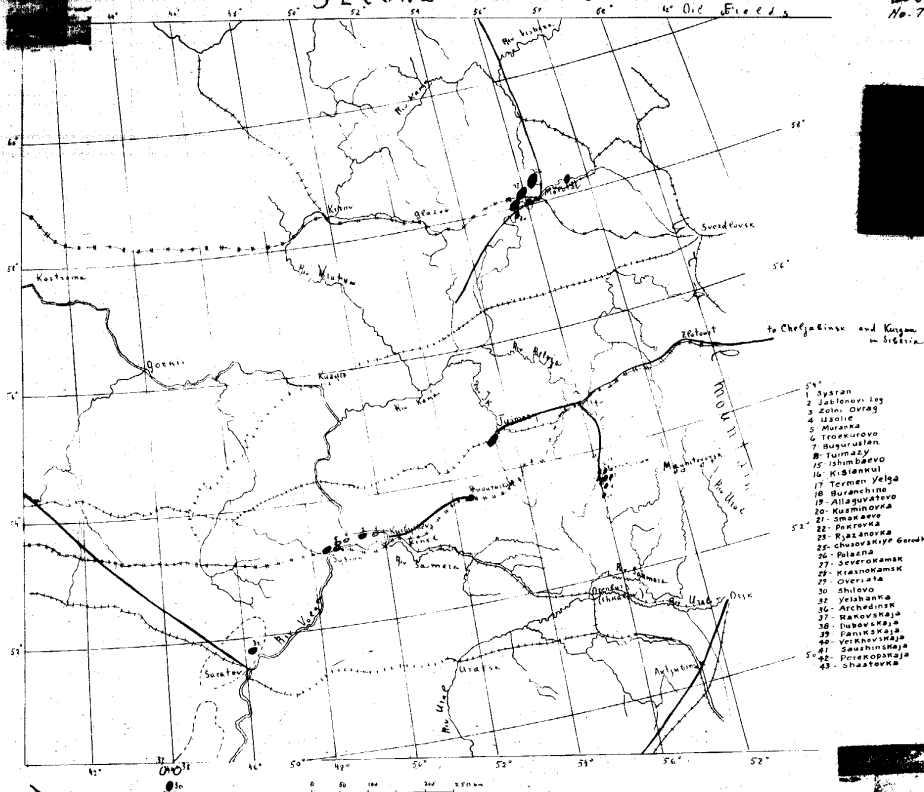


Main pipe lines

1-VI various farms in trough

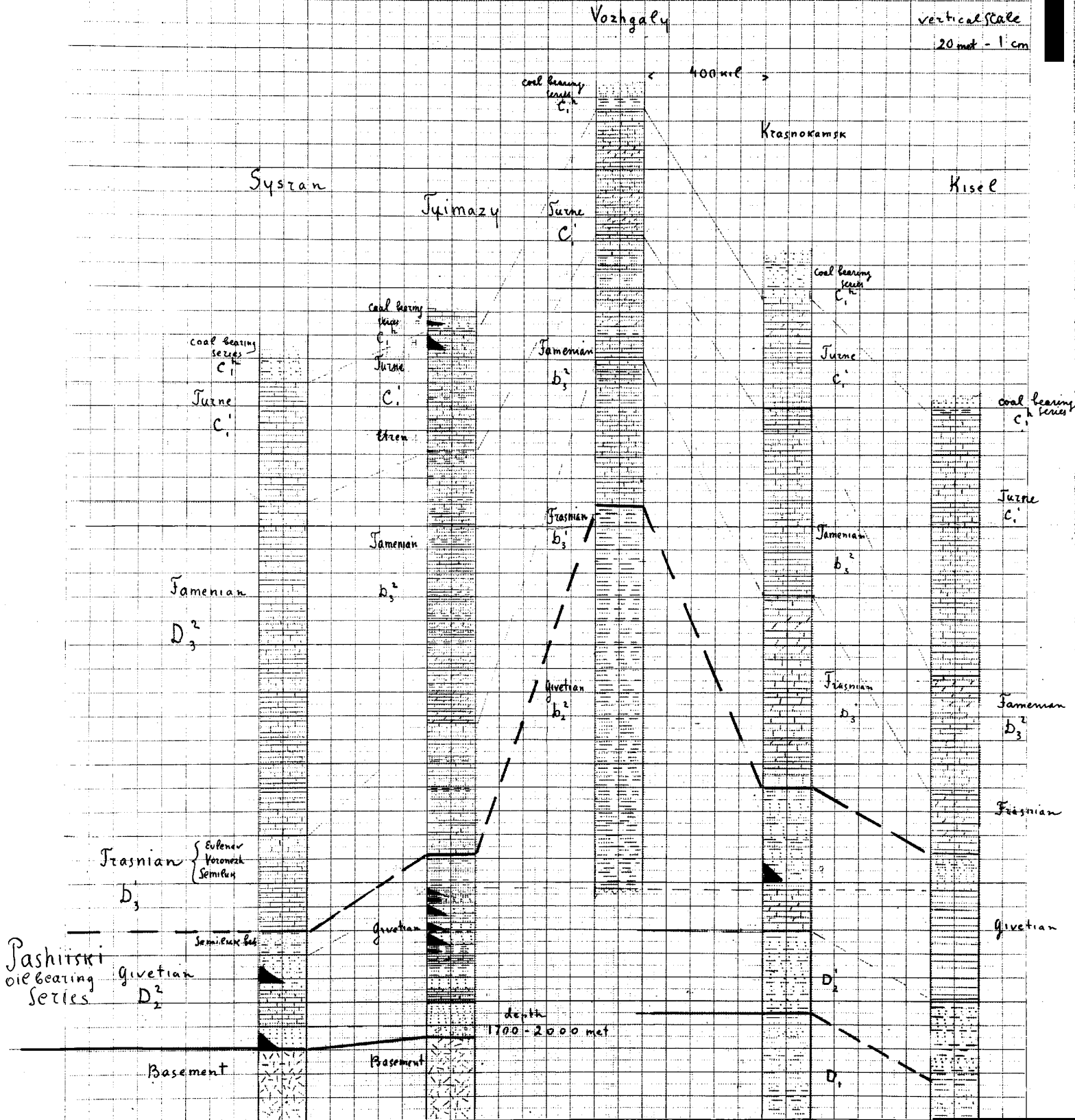
Land

SECOND BAKU



1. Syran
2. Jablonovskiy
3. Zelen. Orlog
4. Iskol
5. Murana
6. Troshurova
7. Bagovskiy
8. Tumazy
9. Shimbakov
10. Kizilavul
11. Termez. Yelga
12. Buranovskiy
13. Allagovatov
14. Kuznetsov
15. Smakova
16. Pavlovskiy
17. Ryazanovskiy
18. Chasovskiy Gorsk.
19. Polach
20. Severokavkaz
21. Krasnokamensk
22. Ozereta
23. Shilov
24. Yelshanna
25. Archadinsk
26. Nakhichevan
27. Dubovskiy
28. Pavlovskiy
29. Verkh. Kavkaz
30. Sakhinshaj
31. Perekopshaj
32. Shastovsk

Correlation of Oil bearing Series of Second Bark



Journal of Management Education

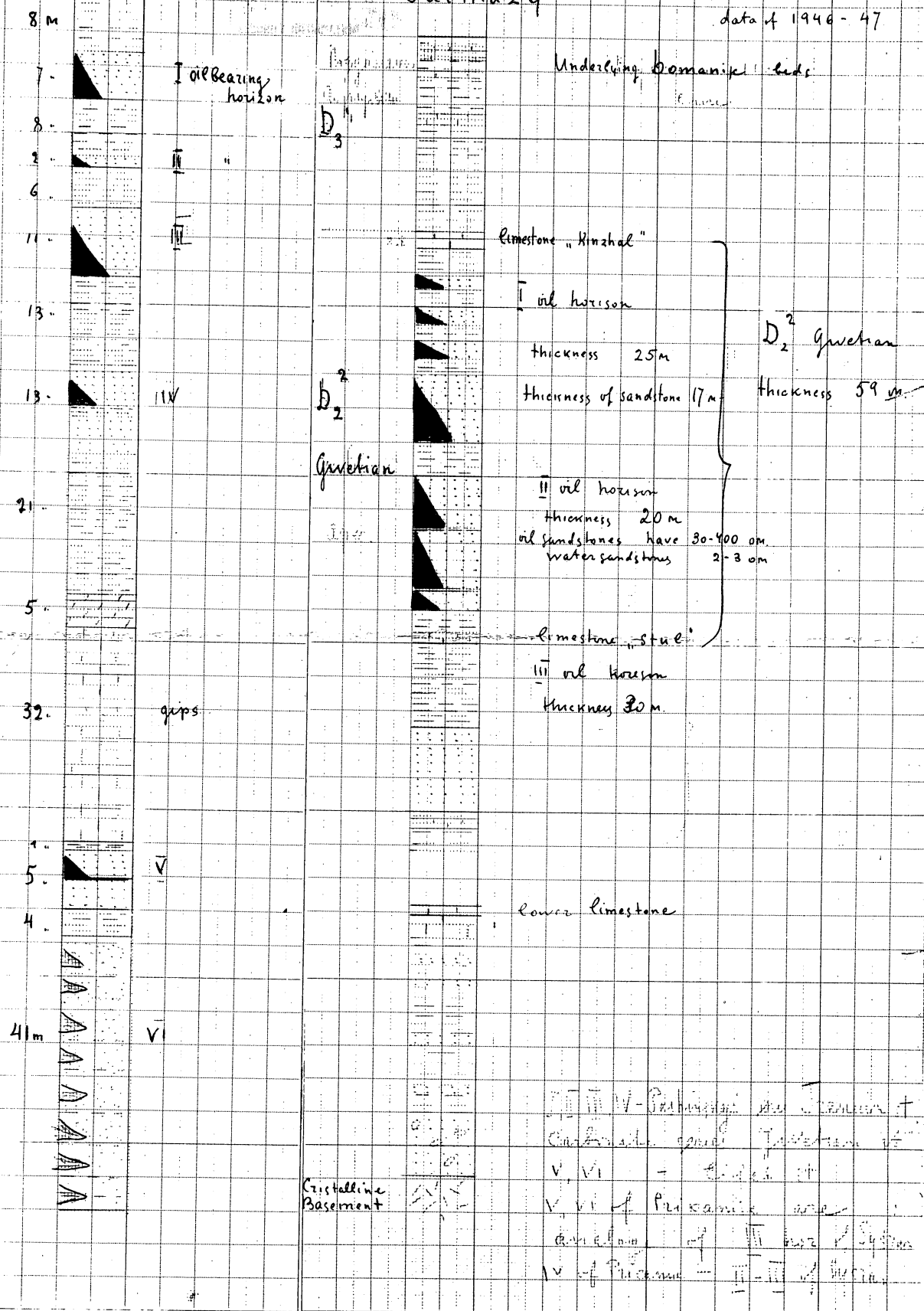
Details of Oil bearing series of Krasnokamsk - Tuimazy Fields
 Seria C. "Pashinski" Middle Devonian.
 Oil bearing Seria C "middle devonian"
 Vertical scale N79

Krasnokamsk

Tuimazy

5 met - 1 cent

data of 1946-47



25X1A

VERTICAL FILE

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Wenlockian

370 m

Leandverian

400 m

79a

CONFIDENTIAL

oil horizon

Namur

74

40m (Krasnodar horizon)

800m

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248

Vise

300 Vise

Vise
400m

oil horizon

50

C. Turne

Ch. coal series with oil
to coal bearing series Turne

Turne
100m

280

b₂

Jamenian

230 Jamenia

Jamenian
120m

100

carbonat part of
Jashnian

130m Jashnian

Jashnian
b₁
240m

b₃ oil bearing Jashnian series
Basement

125m Jashnian
oil bearing series
Basement

Jashnian
130m

Eifelian

b₁

350-400

Downtonian

Ludlovian

1000m

Wenlockian

370m

79a

25X1A

VERTICAL FILE

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Ural Trough

SECURITY INFORMATION
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Upper Permian
1200 m

Kungur
p. kung
500 m

p. artinsk
1

Juimazy

Artinsk
1500 m

Carboniferous and Devonian
in Ural

vertical scale
50 met - 1 cm

Sysran

Upper Permian
230m

Kungur
p. kung
160m

79 a

P₂

P₁

160 C₂

20m

Moscowian

C₂

230m Maikopian

oil horizon

Namur

74

p. art
150m Artinsk

C₃
176m

C₂
290m

40m (Krasnodarsk)
Krasnodarsk

C₃
130m

Ural folding zone
C₃ only in some places

C₂
300m

Permian deposits
in Ufimian amphitheatre
are represented by
P₁ artinsk series
thickness some
hundreds meters

25X1A

VERTICAL FILE

SECURITY INFORMATION

Regional Correlation of Permian Carboniferous Leningrad SE to South Urals

Moscow

vertical

50 m

P₁ tat

150 m

50 m P₁ kungur

15 P₁

50 m

117 C₁

207 C₁

400 T₁ T₁ T₁

Leningrad-
Novgorod

T₁ T₁ T₁
300 m

b₁

T₁ T₁ T₁
100 m

b₁

200 T₁ T₁ T₁

131 T₁ T₁ T₁

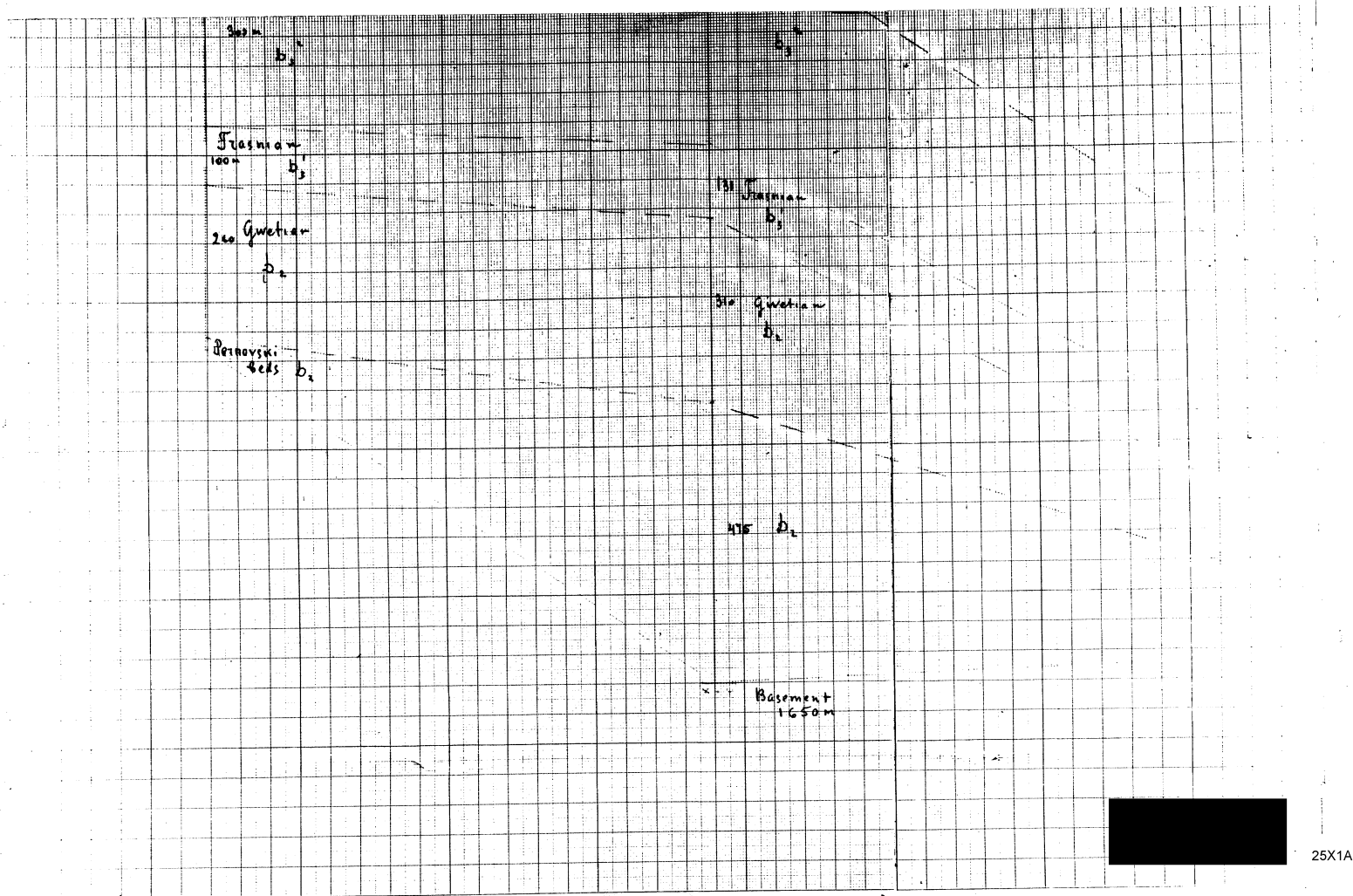
b₁

VERTICAL FILE

79 a

25X1A

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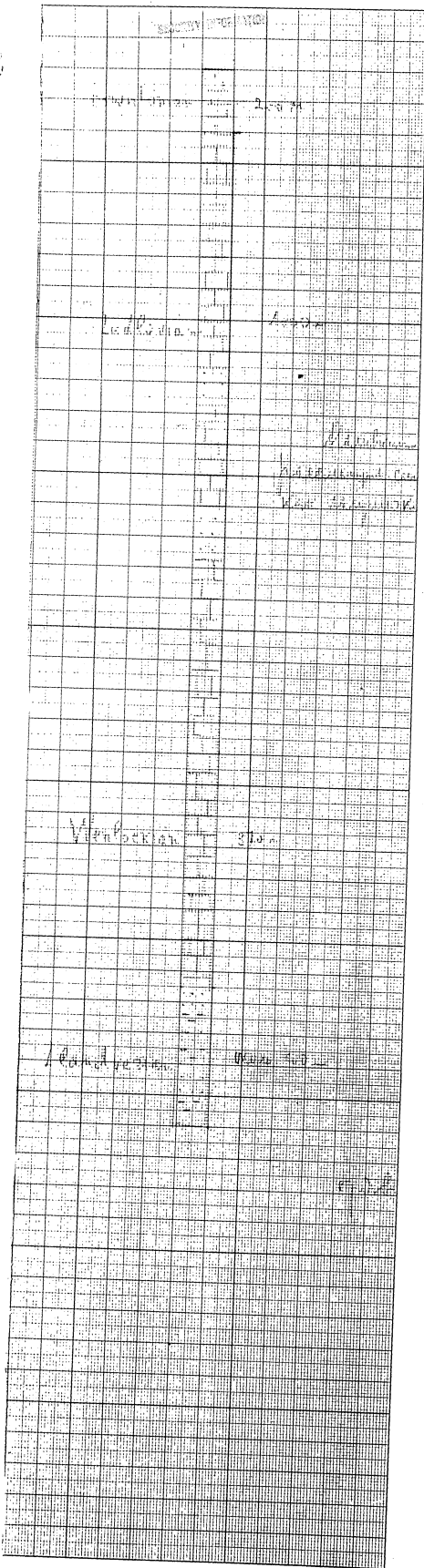
25X1A

25X1X

of P. is E. *ischimburev* N⁷Pe

CONFIDENTIAL
U.S. EYES ONLY

25X1X



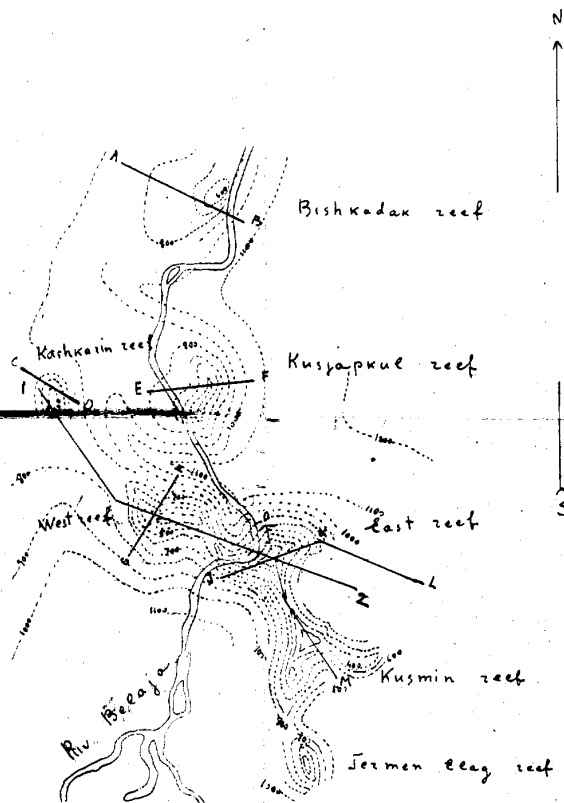
25X1A

VERTICAL FILE

Jshim Gaevo oil Fields - Reefs

№ 80

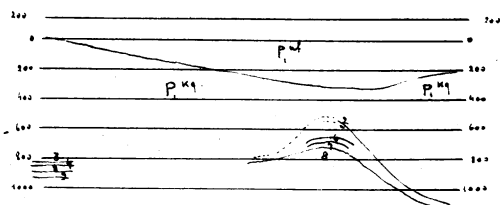
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0



Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

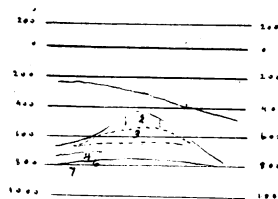
Section through Jaz Bistradan reef

A - B



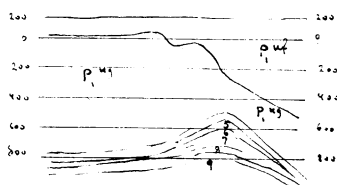
Section through South Kashkarinsk reef

C - D



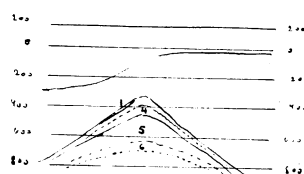
Section through Kussapkulov reef

E - F



Section through West reef

G - H



- 1 Upper Artinsk deposits
- 2 Cladonchonus limestone
- 3 Upper zone with Ps. cutugini
- 4 Lower zone " "
- 5 Horizon with Ps. urdaensis

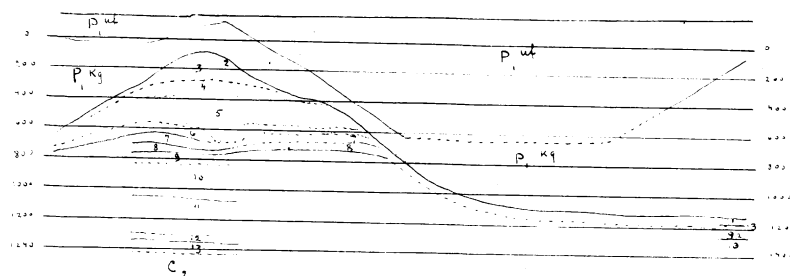
- 6 Upper zone with Ps. moelleri
- 7 Middle zone " "
- 8 Lower zone " "
- 9 Upper zone of Shwagerina limestone
- 10 Middle " " "

100 0 1000

Section over East Reef J - K - L

W

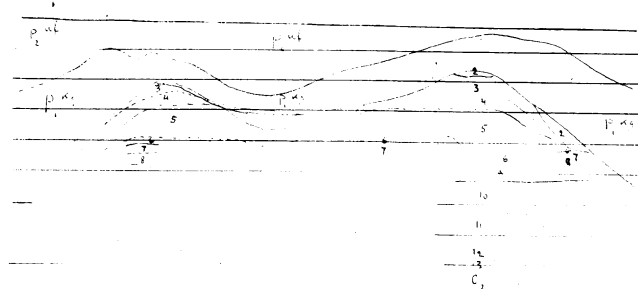
E



Section over Southern and Eastern Reef O - M

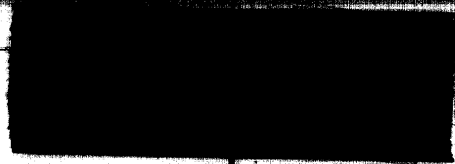
S

N



- | | | |
|--|--|--|
| 1. Upper Astina deposits | 6. Upper zone with <i>Ps. moelleri</i> | 11. Lower zone of Shwagoua limestone |
| 2. Gludokhonug limestone | 7. Middle " " " | 12. Horizon with <i>Pseudofusulina</i> |
| 3. Upper zone with <i>Ps. lutugini</i> | 8. Lower " " " | 13. Fertile horizon |
| 4. Lower " " " | 9. Upper zone of Shwagoua limestone | |
| 5. Horizon with <i>Ps. uzbekensis</i> | 10. Middle " " " | |

0 400 m



Ishimaru Field
Cross section 1-2

N 83°

NW Katsuragi reef

West reef

East reef

2

3E



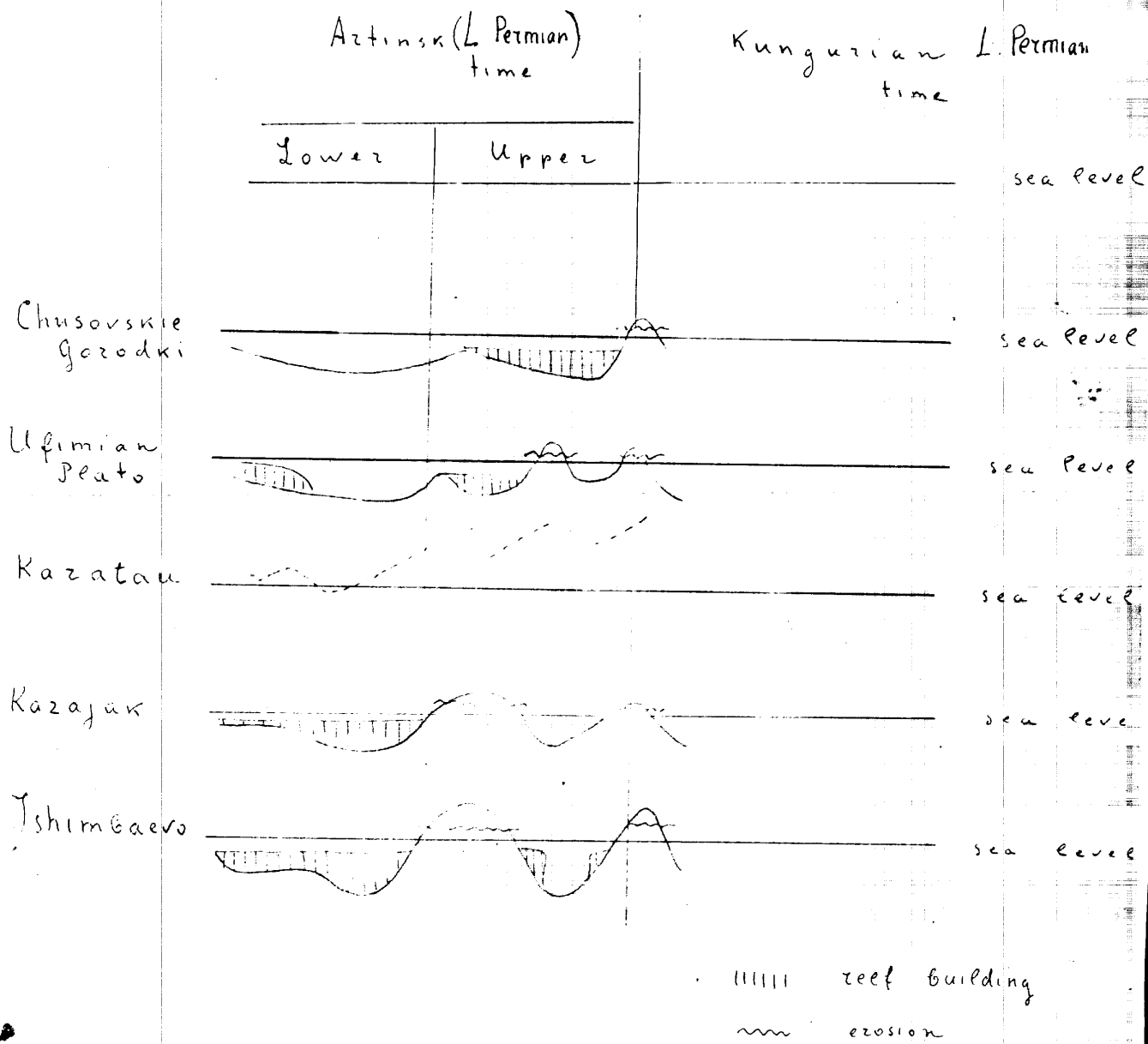
30"

- Isobary
- Tertiary continental deposits
- Quaternary and recent deposits
- Side foreprints of Katsuragi P. reef
- reef limestone of Atsuta and Saemaru P.

25X1A

N:84

Illustrating Reef building in Lower Permian



N 6

E

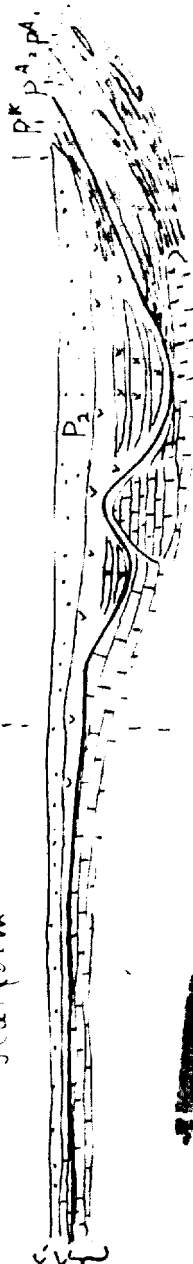
West of
of Vale

Cross Section C - D

Senie

Trough

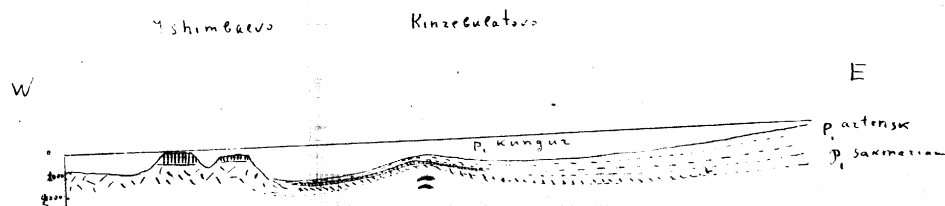
Platform



Facies on the Structures taken

N 8/

Cross Section E - F

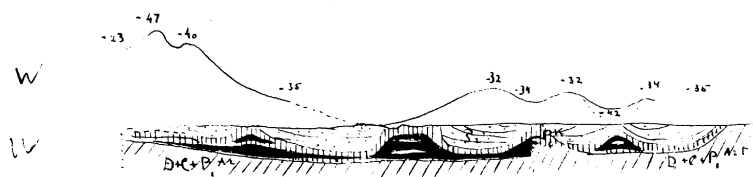


0 1 2 3 km

{ Reefs, artinsk } P₁
 { Beets, saxanian and emestones }
 { Bocermites, mares }
 Terigenous Artinsk
 ore horizons in Devonian and Silurian

Cross Section C-H

Nº 88

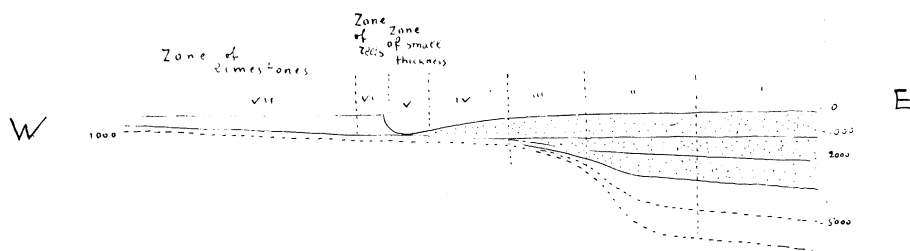


Ufimian
suet
Kungurian

br. + a.

Nº 89

Cross section J - J



- I - IV Terrigenous trough
- I - IV Facies of Lower Permian (Actinsk)
- Structures taken out
- V Zone of small thickness
- VI Zone of reefs
- VII Platform limestones facies

Relation of oil and asphactites

Nº 90

Tuimaza
○
Oil from
Devonian on
Platform structure

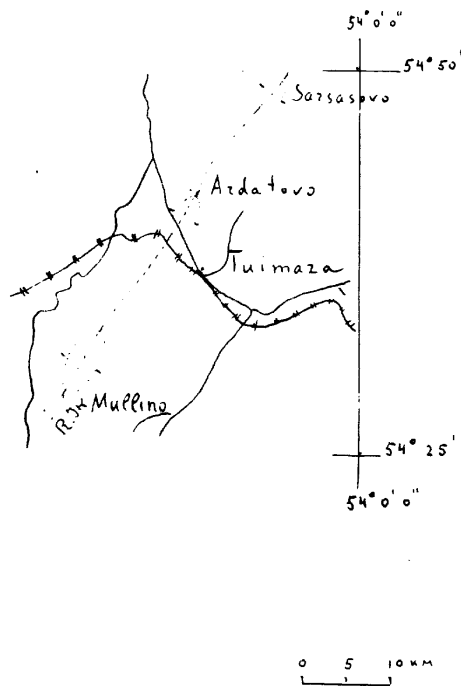
b₃ runs with asphaltite,
Outcrop of Devonian with
asphactites in folding zone

+

+

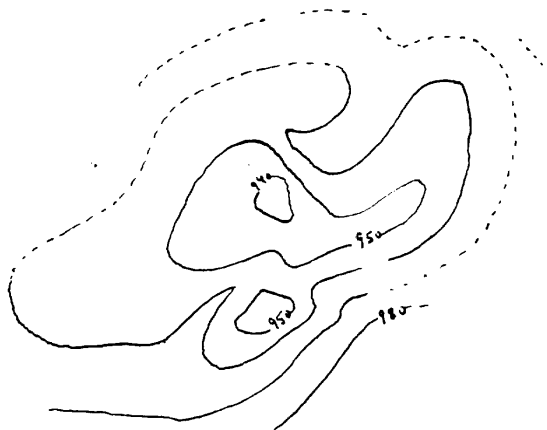
W 50 u

Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0



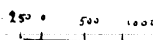
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

N906



Syszan

Nº 91

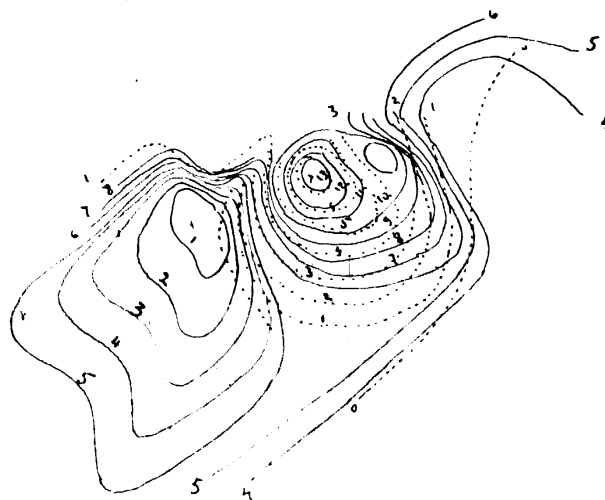


Contours on top of
variegated clays

Syzzan

Nº 92

Relation of thickness to Saturation



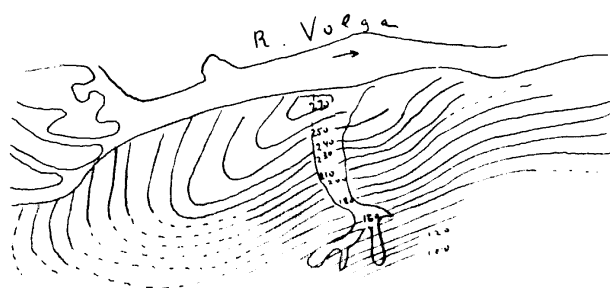
Thickness lines of oil horizon B.

Lines of equal saturation.

Лабеевский Овраг

193

ILLEGIB

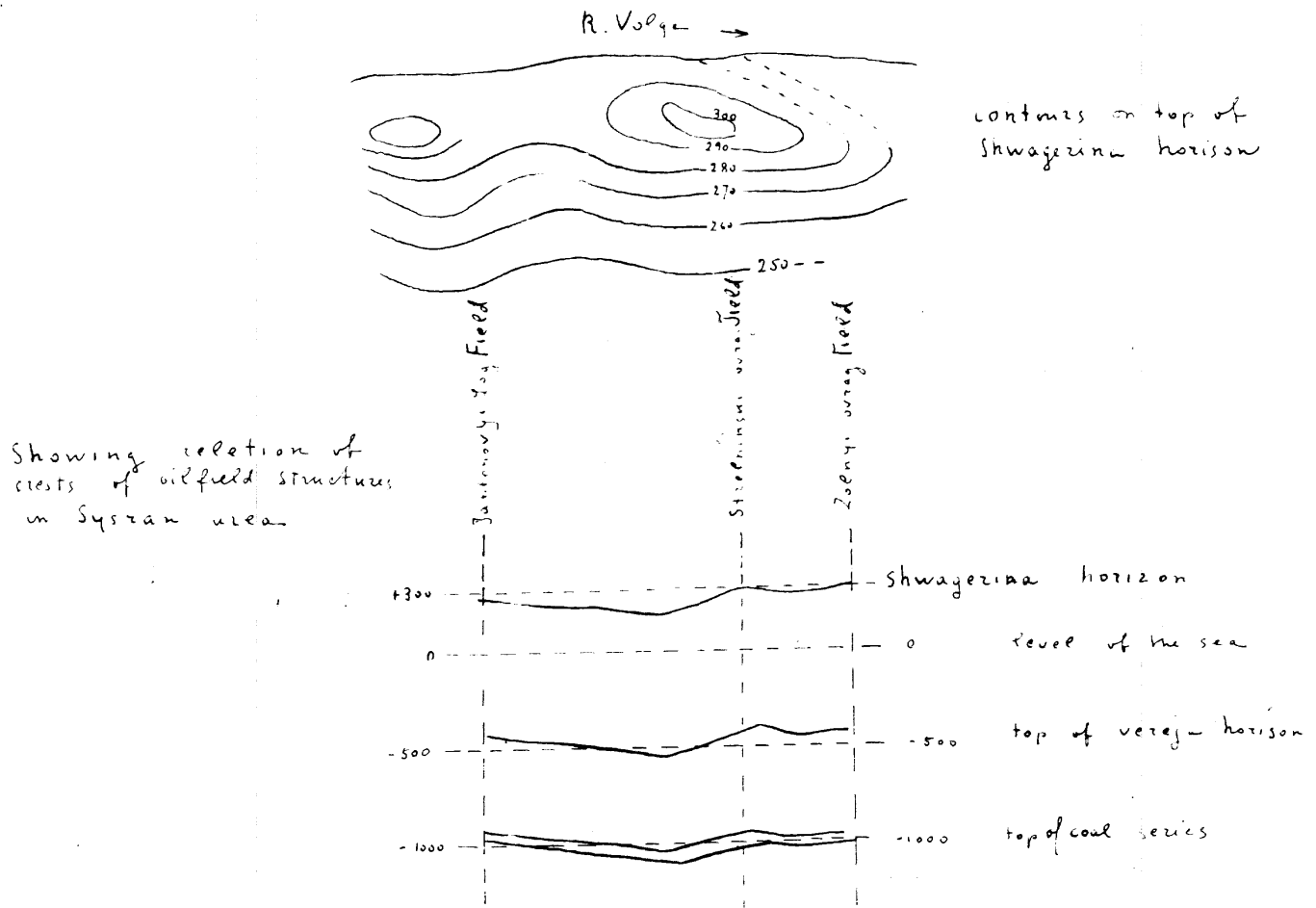


1 0 2 4 km

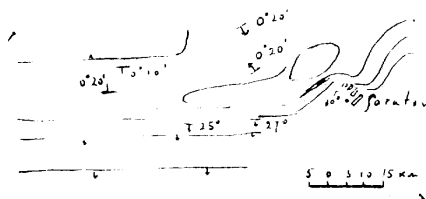
Contours on top of Shwagerina limestone

Strelninsky structure

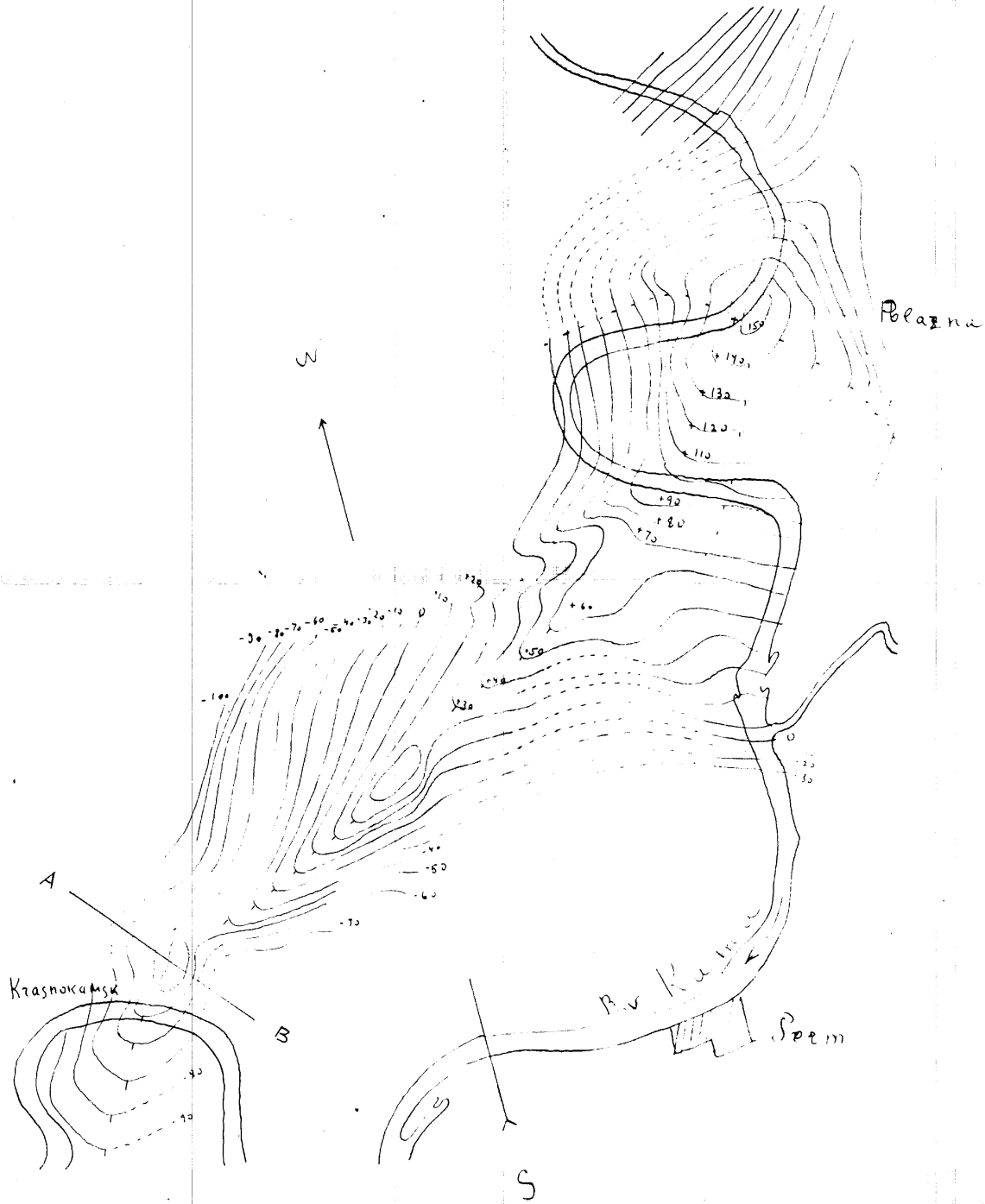
N 94



Showing the two types of flexure structures characteristic of middle Volga district of Russian Platform
Syzran - Samara



oil fields

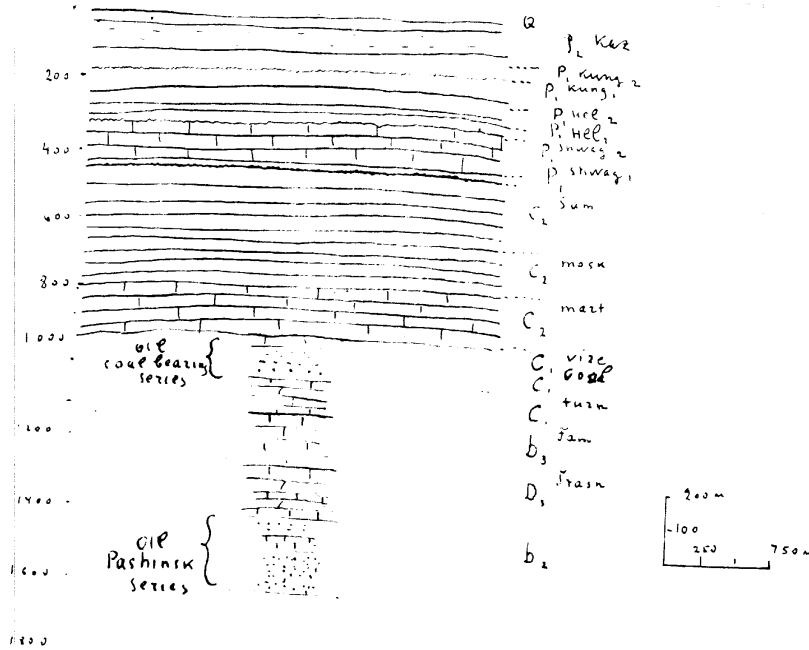


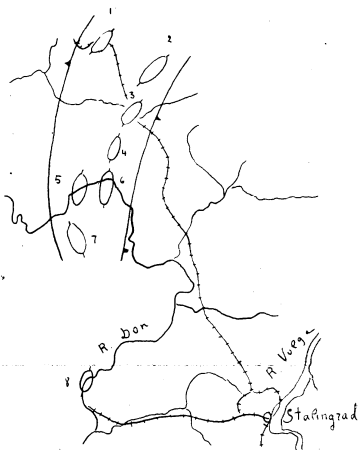
contour lines on the map
of the Upper Kungurian P. Kung

N 97

Krasnokamsk Field Structure

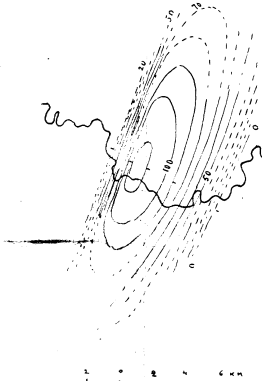
A - B





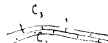
12x 0 12 24 km

Details of Archedinsk. (3)



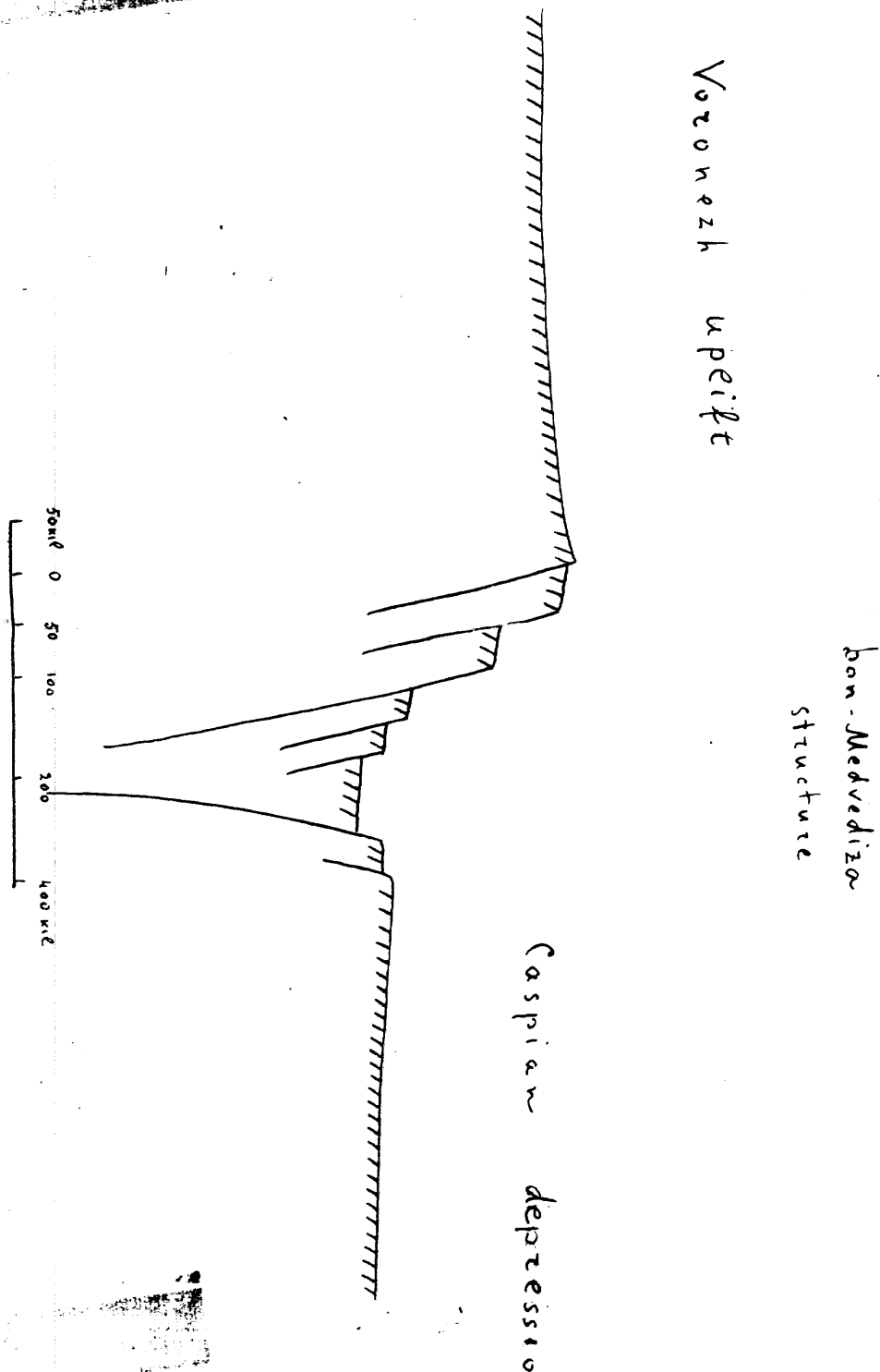
contours on contact $C_2 - C_3$ (Carboniferous)

Cross Section of Archedinsk field



Oil Fields

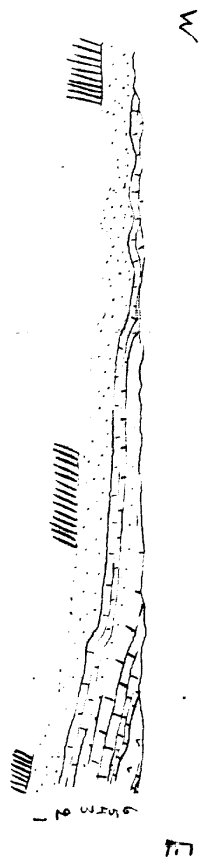
1. Ranzovsk
2. Dubovsk
3. Archedinsk
4. Paninskaja
5. Vozkhovsk
6. Sushinsk
7. Pesenopsk
8. Shastovsk



- 1 Oibearing series
- 2 bonanix series
- 3 Veteasjanski series
- 4 Siraohi - Beregoe series
- 5 Jzma series with evaporites
- 6 Ukhinski series

Upper
Devonian

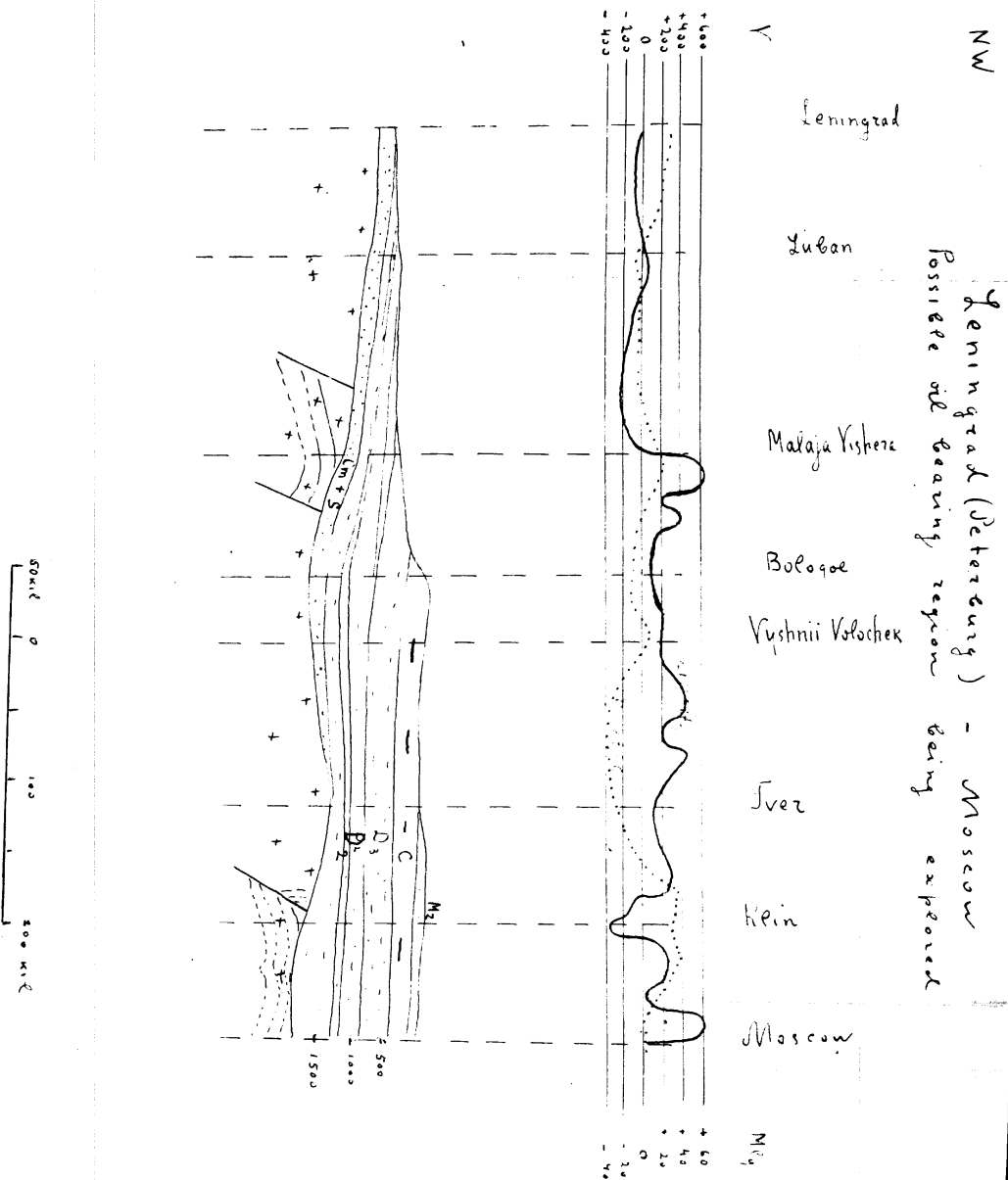
crystalline basement



Cross section A - A,

Ukhto

Nº 107



Leningrad (Peterburg) - Moscow
Possible oil bearing region being explored

50

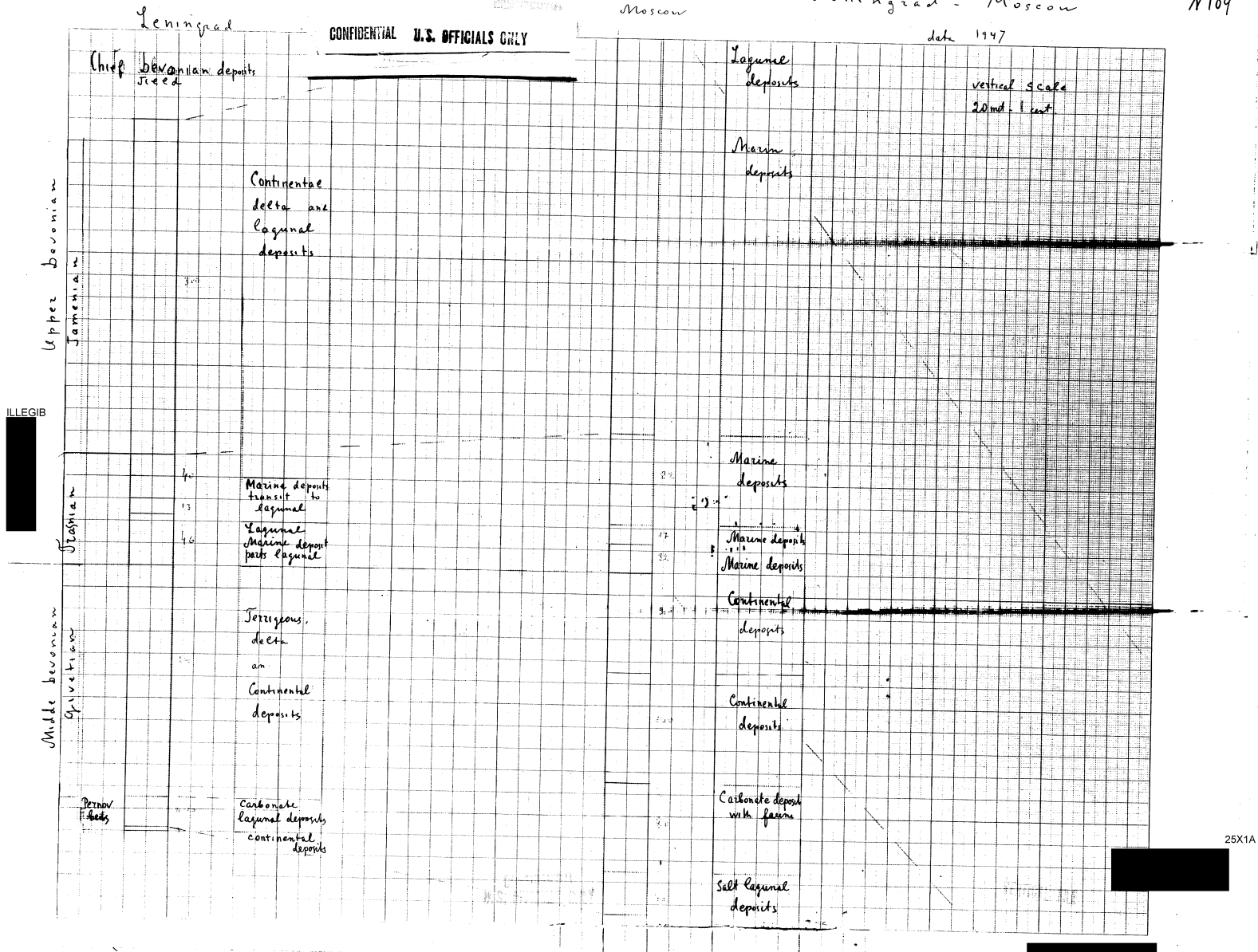
Nº 108

Devonian Facies between Leningrad - Moscow

N109

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date 1947



Iron beds	Carbonate lagoon deposits continental deposits	<p>Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0</p> <p>CONFIDENTIAL U.S. OFFICIALS ONLY</p>	<p>with pebbles</p> <p>Salt lagoon deposits</p>
--------------	---	--	---

25X1X

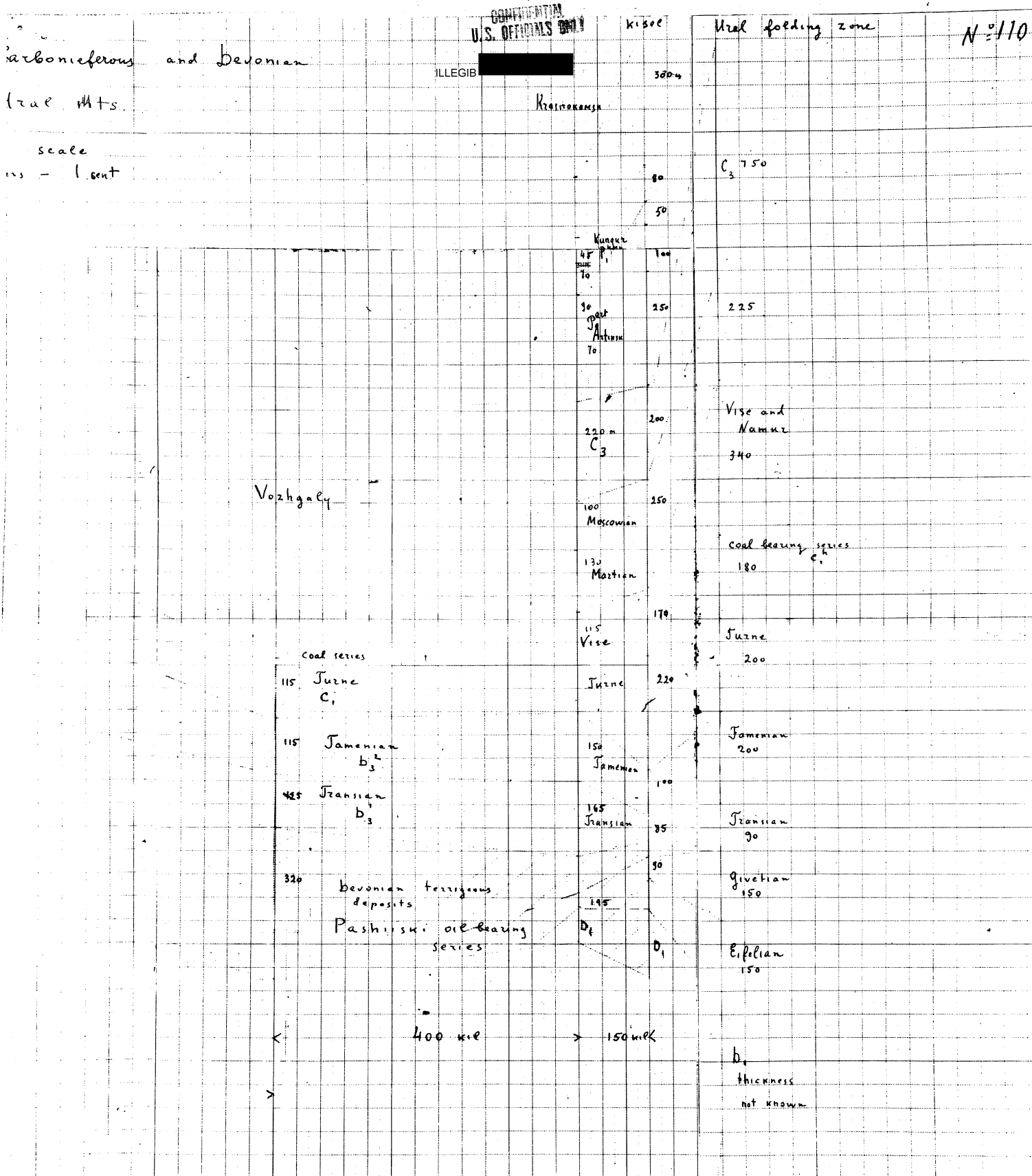
<p>175</p> <p>Iron oxide deposits</p> <p>iron ore</p> <p>base</p> <p>continental deposits</p> <p>Crystalline basement</p> <p>1650m</p>
--

no 109

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25X1A

VERTICAL FILE



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Regional Correlation of Leningrad

Moscow

180 J. tatarus

80 P. kabanian

15 P.

24 C₃

117 C₂

207 C₁

Leningrad
Novgorod

300 Tamenian

400 Tamenian

b₃

100 Tarnian

131 Tarnian

b₃

260 Gvetian

310 Gvetian

b₂

Petrov series

b₂

475

500 ~~475~~

110

ILLEGIB

Regional Correlation of Permian, Carboniferous and Devonian Moscow Leningrad to Ural Mts

150 Stettin

vertical scale
50 meters - 1 cent

80 P. Kazanian

15 P.

34 C₃

117 C₂

207 C₁

400 Samanian

b₃

Vozhgal

131 Frasnian

b₃

310 Givetian

b₂

coal series

115 Turan
C₁

115 Samanian
b₃

425 Frasnian
b₃

b₂

415

330 Devonian
deposits
Pashinsk

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110

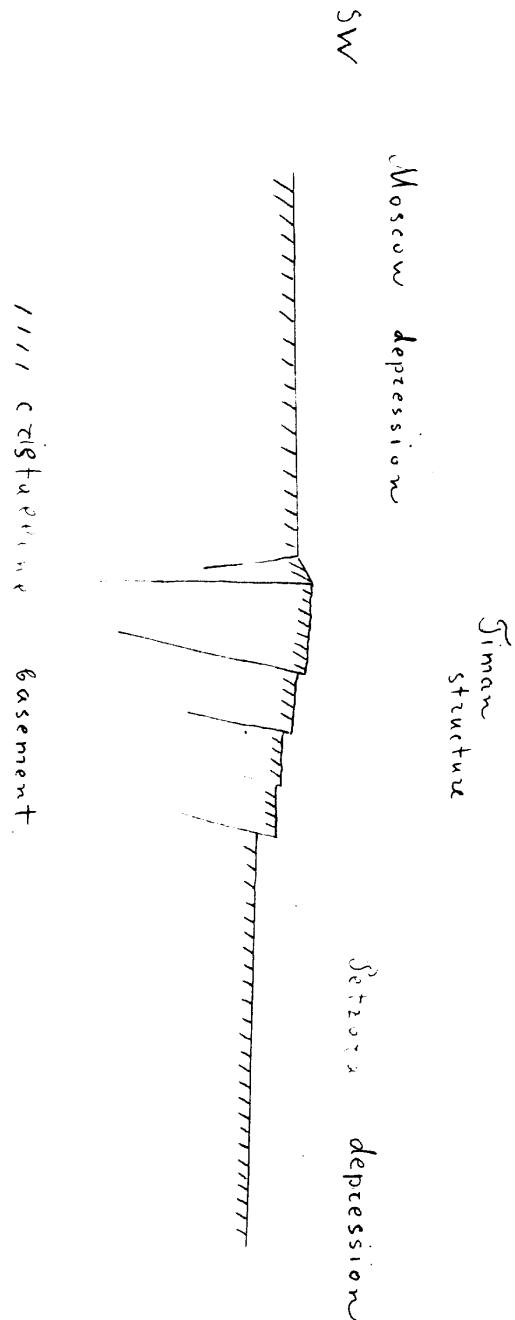
25X1X

ILLEGIB

ILLEGIB

Siman Region
Showing general type of structure

Nº 10



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III. *Timeline of Alexander Vassilov*

IV. *Timeline of Moscow incidents*

V. *Timeline of suspected assassination*

Timeline at 1500 hours
Timeline at 1500 hours

III

25X1X

25X1X

25X1A

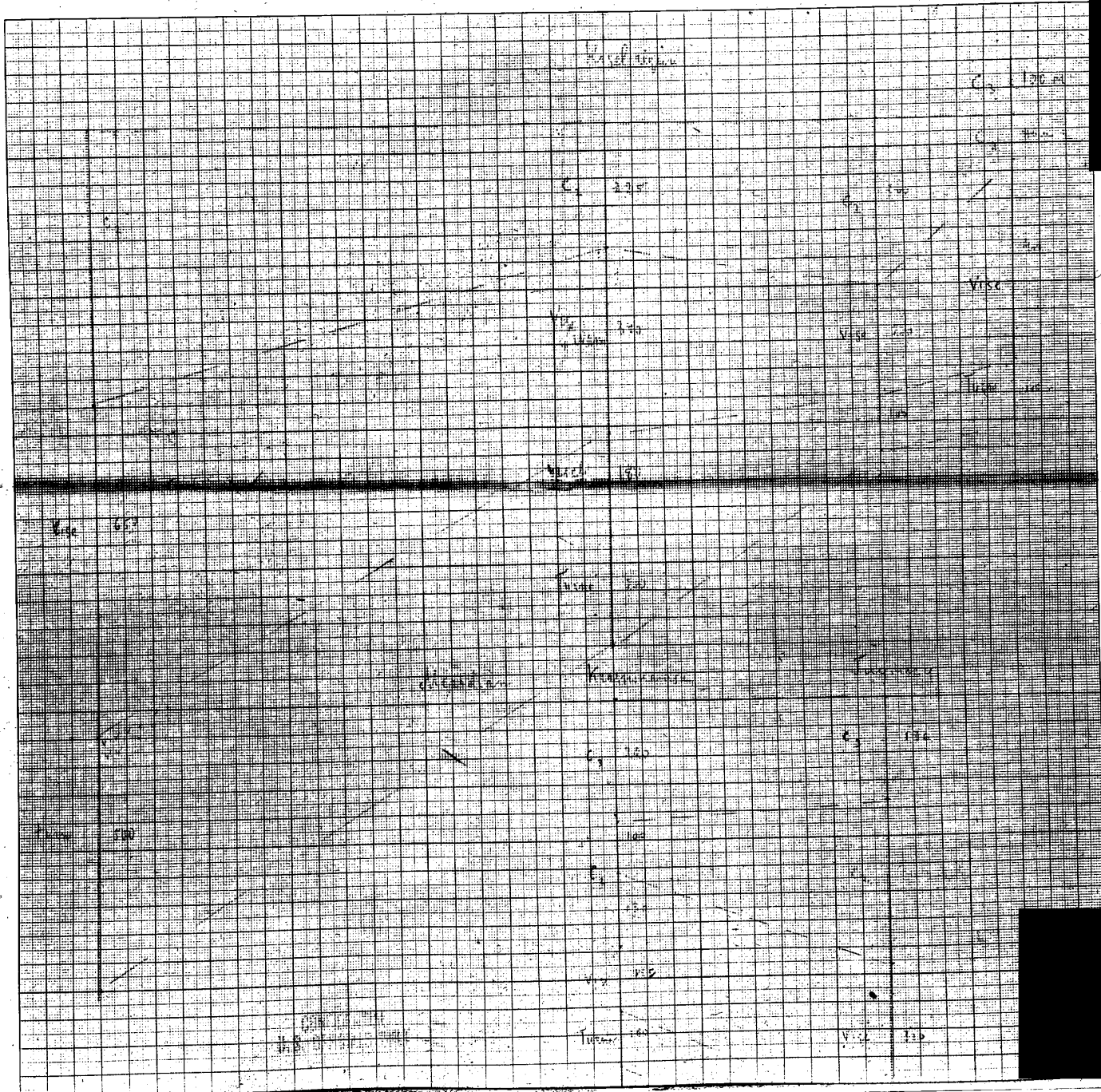
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VERTICAL

CONFIDENTIAL

U.S. EYES ONLY

Nº 112
25X1A



25X1A

Medan Vozhok

1952

25X1X

Vice

Medan Vozhok

C1

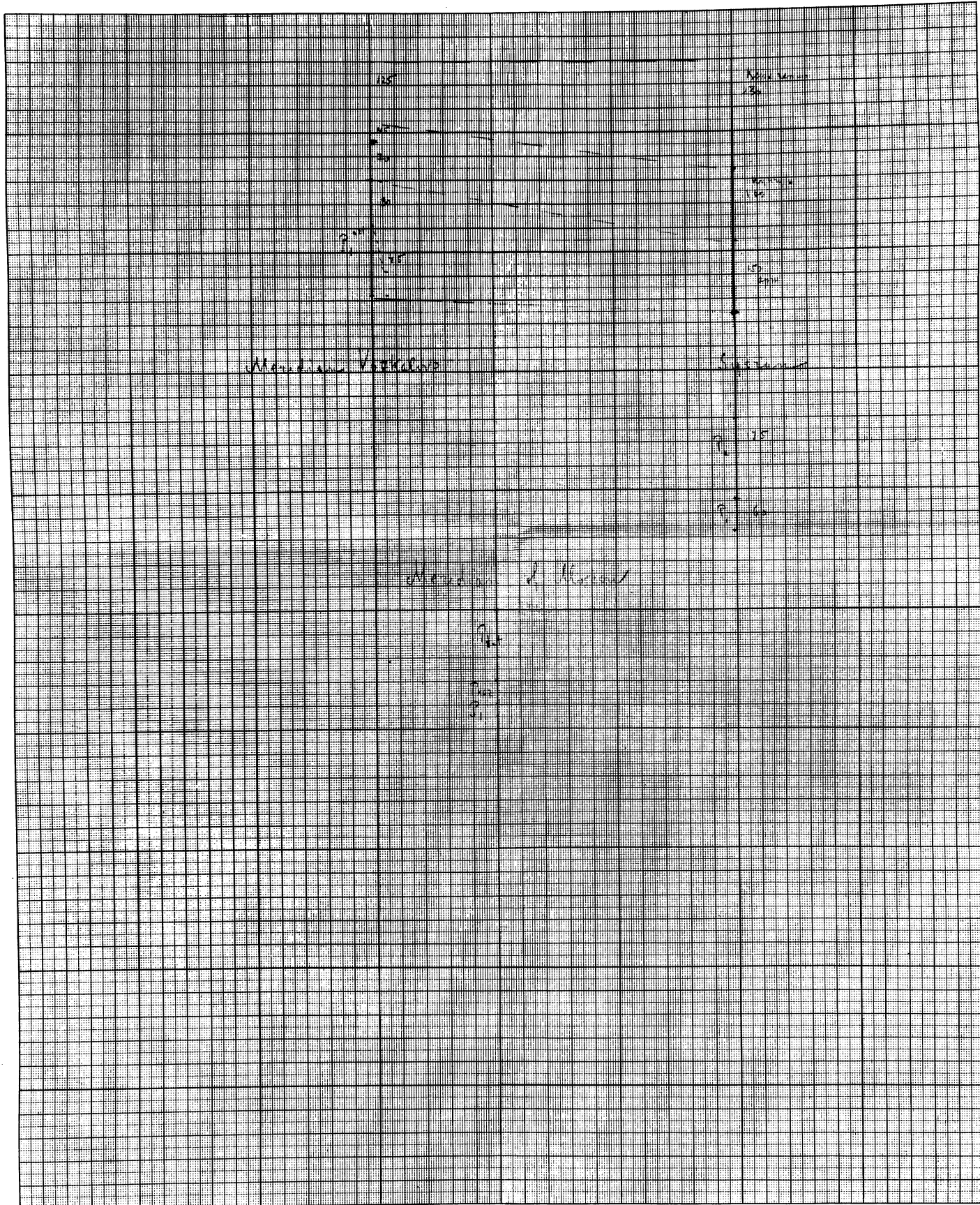
C2

C3

25X1A

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113



ENGINEERED BY CHAS. E. HENSON, CHICAGO, ILL.

PERFECT CROSS SECTION PAPER
MILLIMETERS
No. 338

ILLEGIB

Tshimbevo

1. Anticongestants

Yes sir

regimen

BOOK REVIEW OF THE YEAR

PERFECT CROSS SECTION PAPER

8CE on
MILLIMETERS

[illegible]

Appendix

50 m 30 kids

Kizel

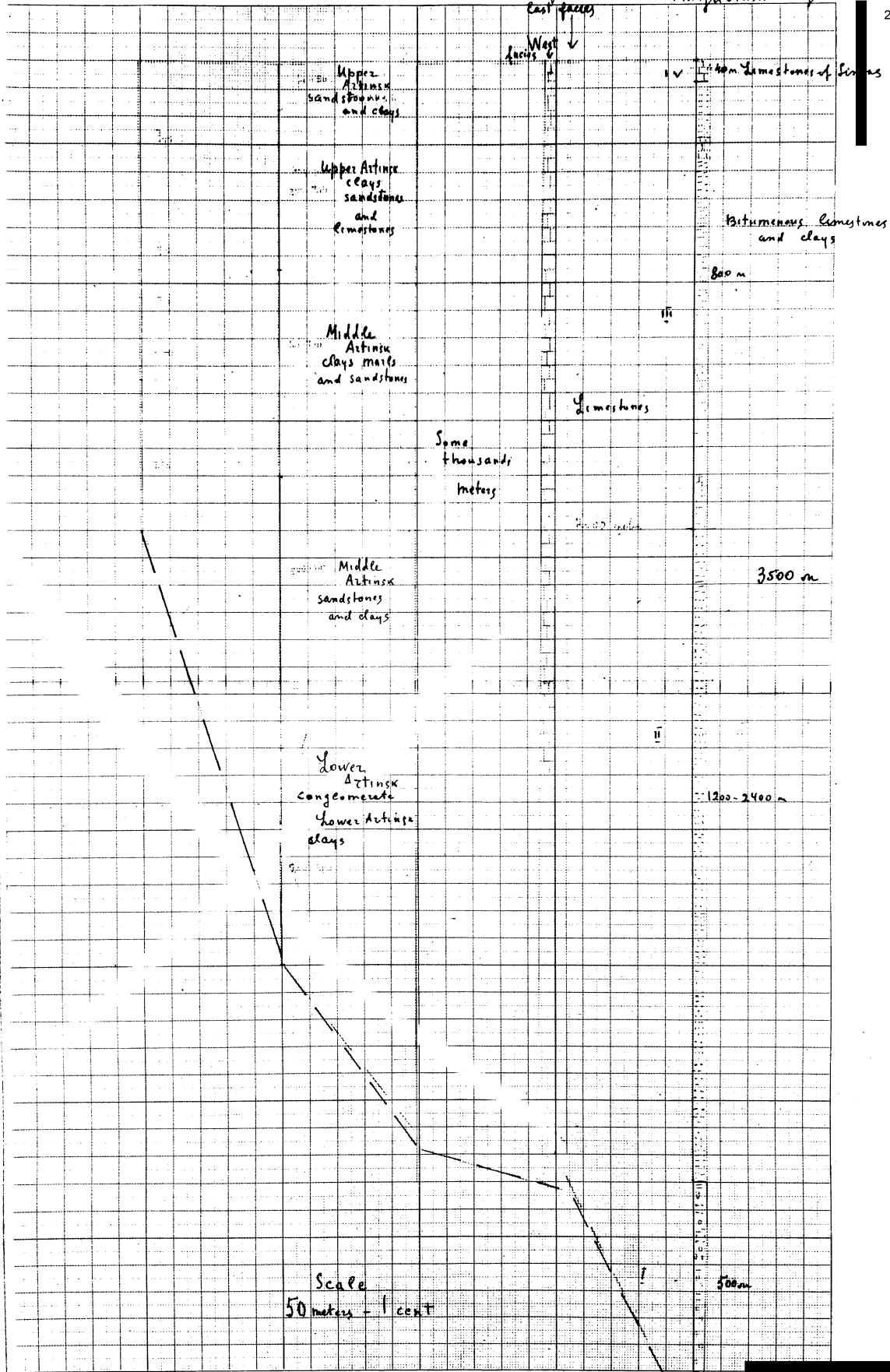
Kuzino
near Perm

Ufa
region

Ishimbayev
region
East of Perm

Aktjubinsk region

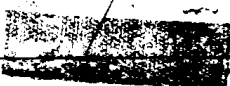
25X1X



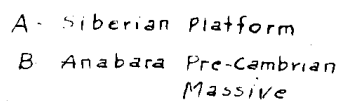
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STANDARD CROSS SECTION
INCHES AND MILLIMETERS

ILLEGIB



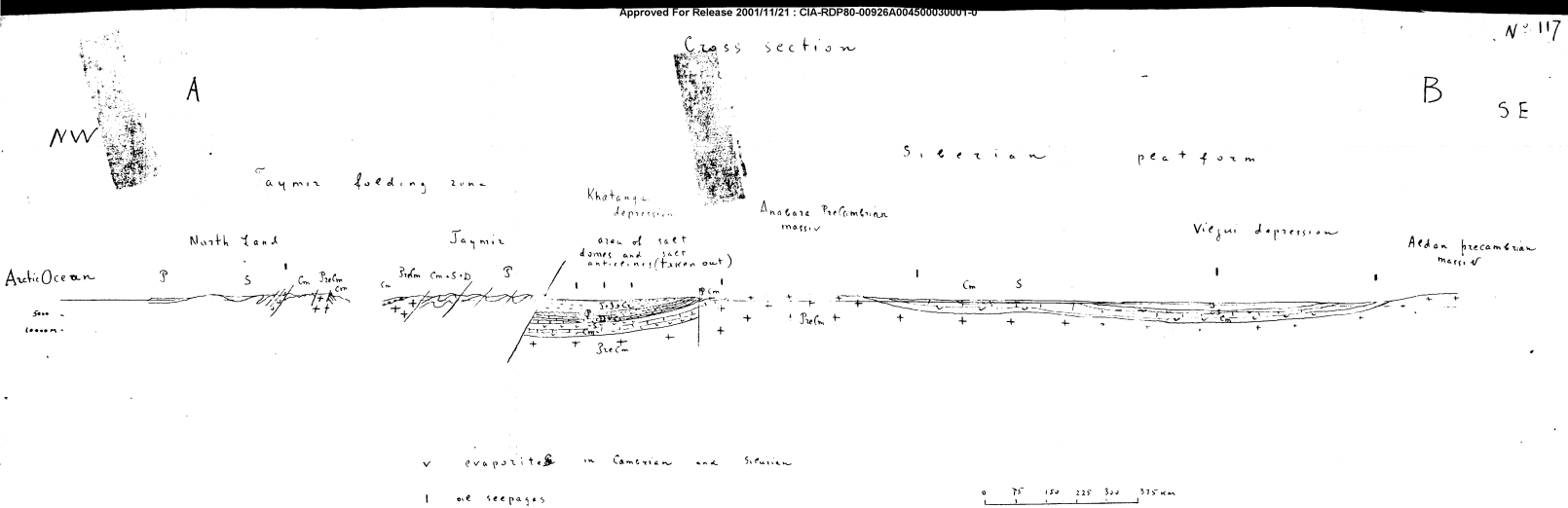
Approved For Release 2001/11/23 : CIA-RDP80-00926A004500020005

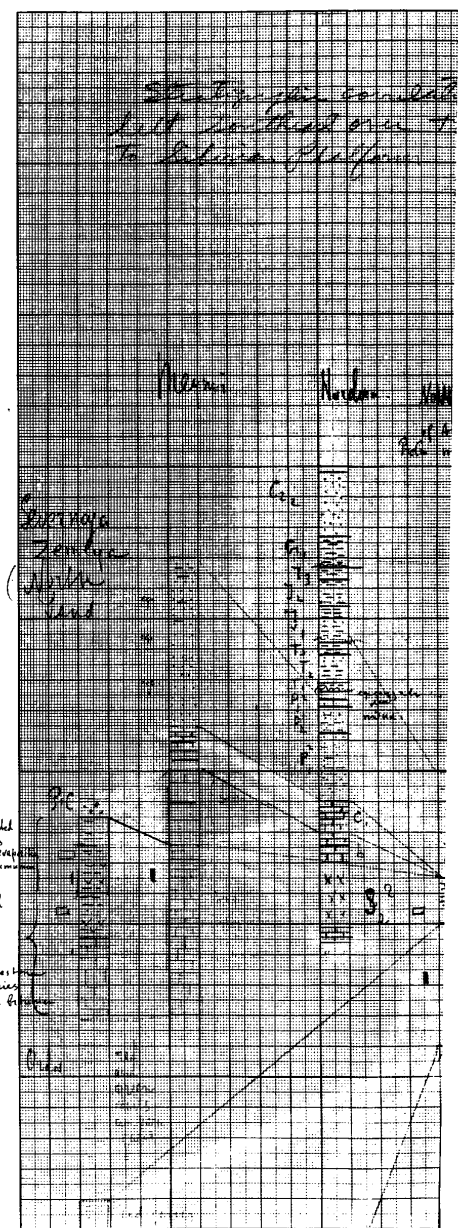


$C^U C^T C^V$ Hercynian folding zone
 $D^N D^T D^L$ Trough (Novaya Zemlya,
 Taymyr & Lena)

E vi Vilyui Depression

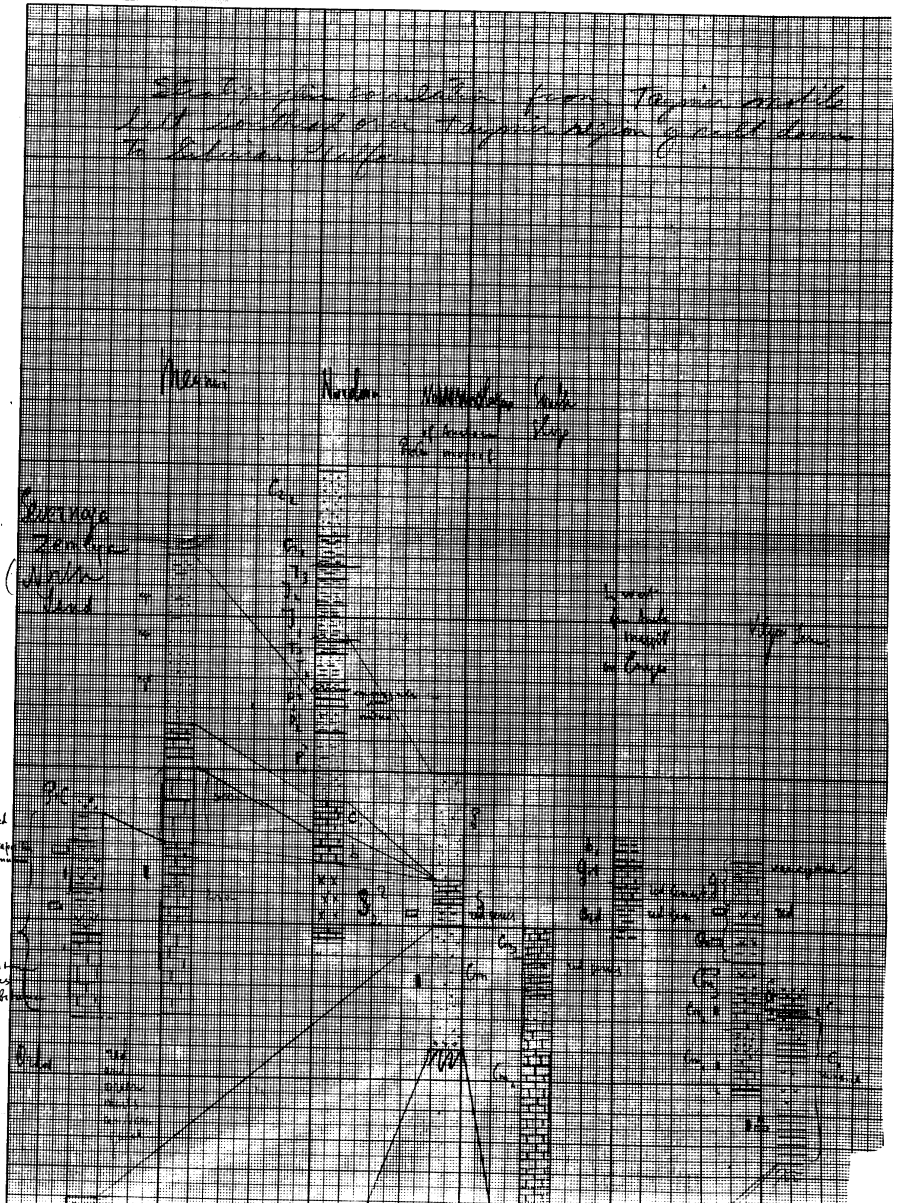
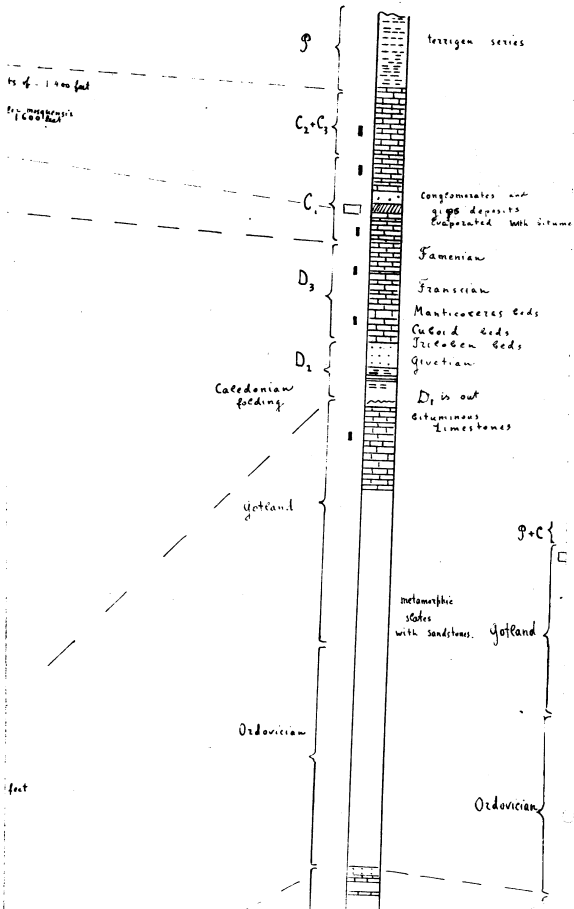
- F - Old Artic Mass
- G - Barenz Sea Platform
- H - Caledonidan (Spitzbergen)



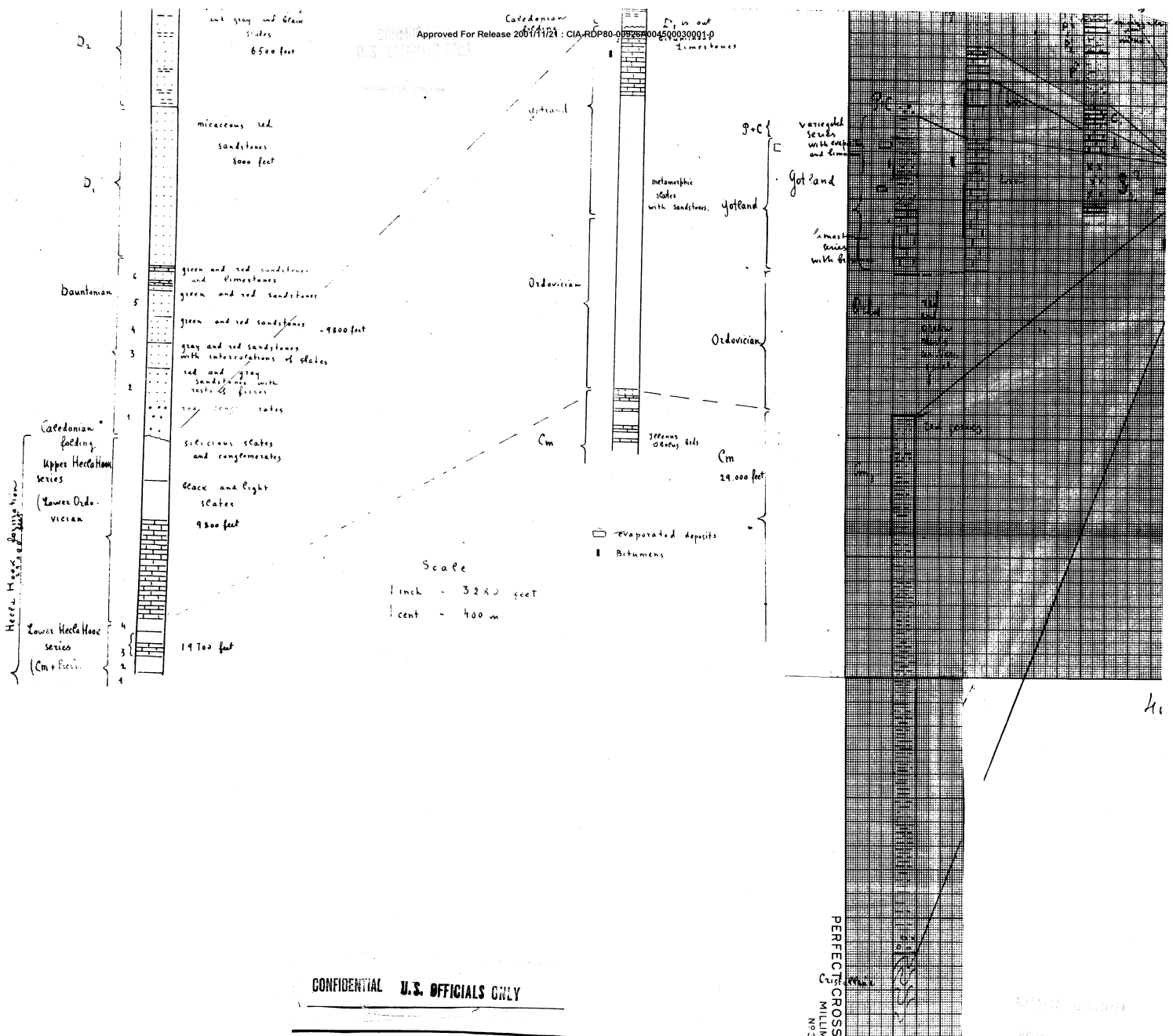
$$(\alpha_0, \beta_0) = (\alpha_1, \beta_1) = \dots = (\alpha_{n-1}, \beta_{n-1}) = (\alpha_n, \beta_n) = (\alpha, \beta)$$


North Eastern Land Franz Josef Land Novaya Zemlya

Coal series Coal Series



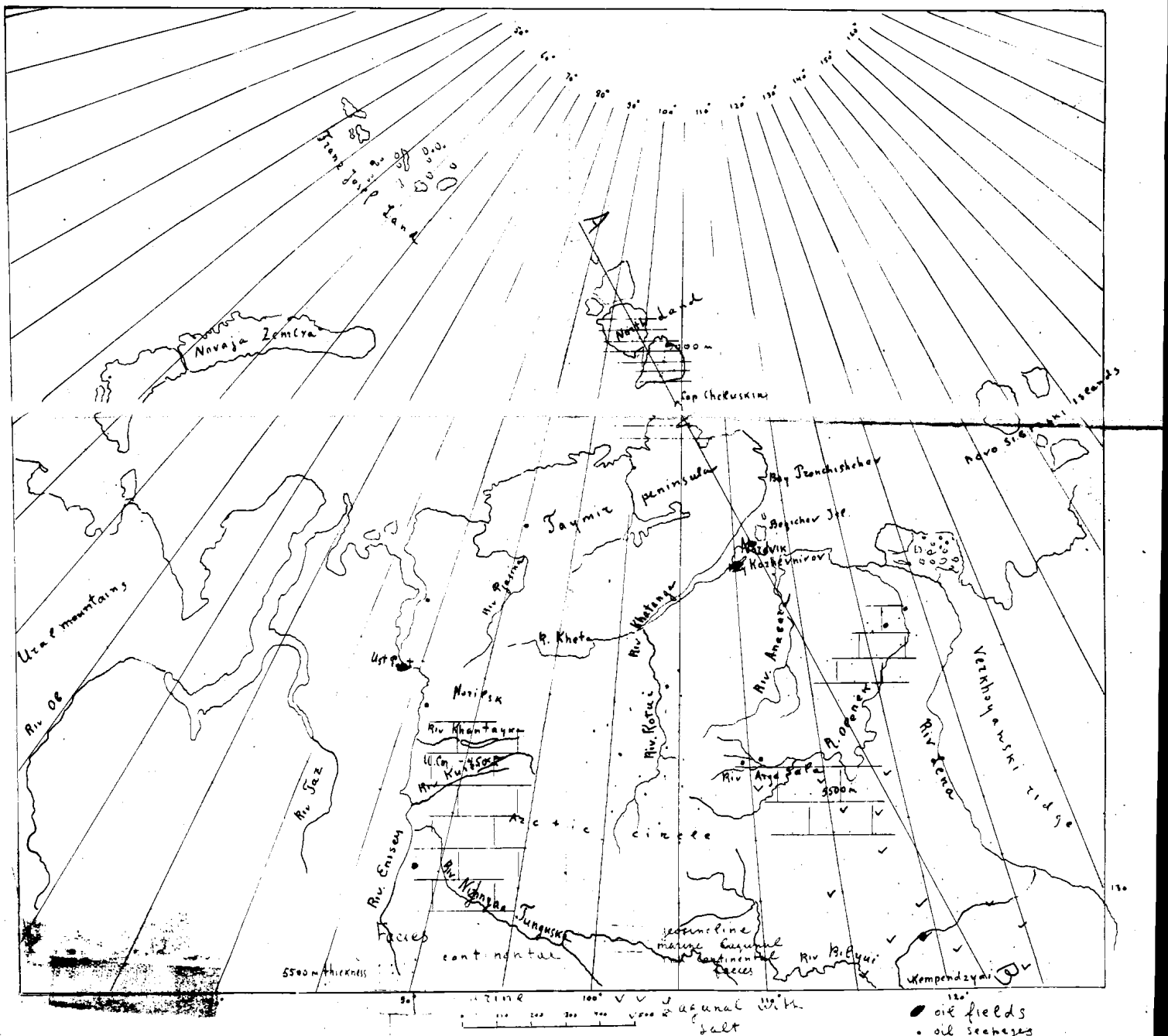




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~~N = 120~~
~~A = 115~~
No 120

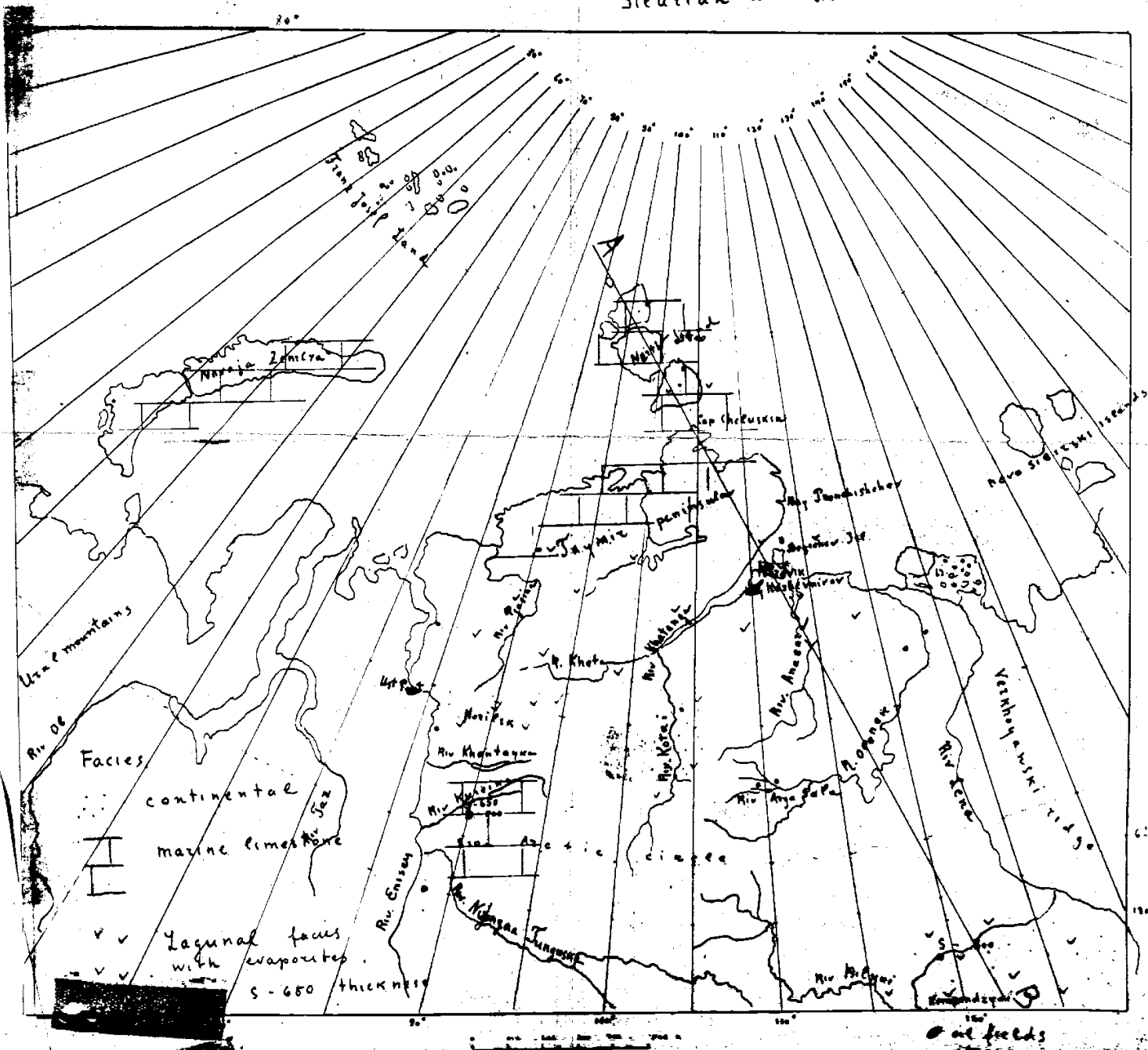
Cametia n



Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

Lena Jayme Region

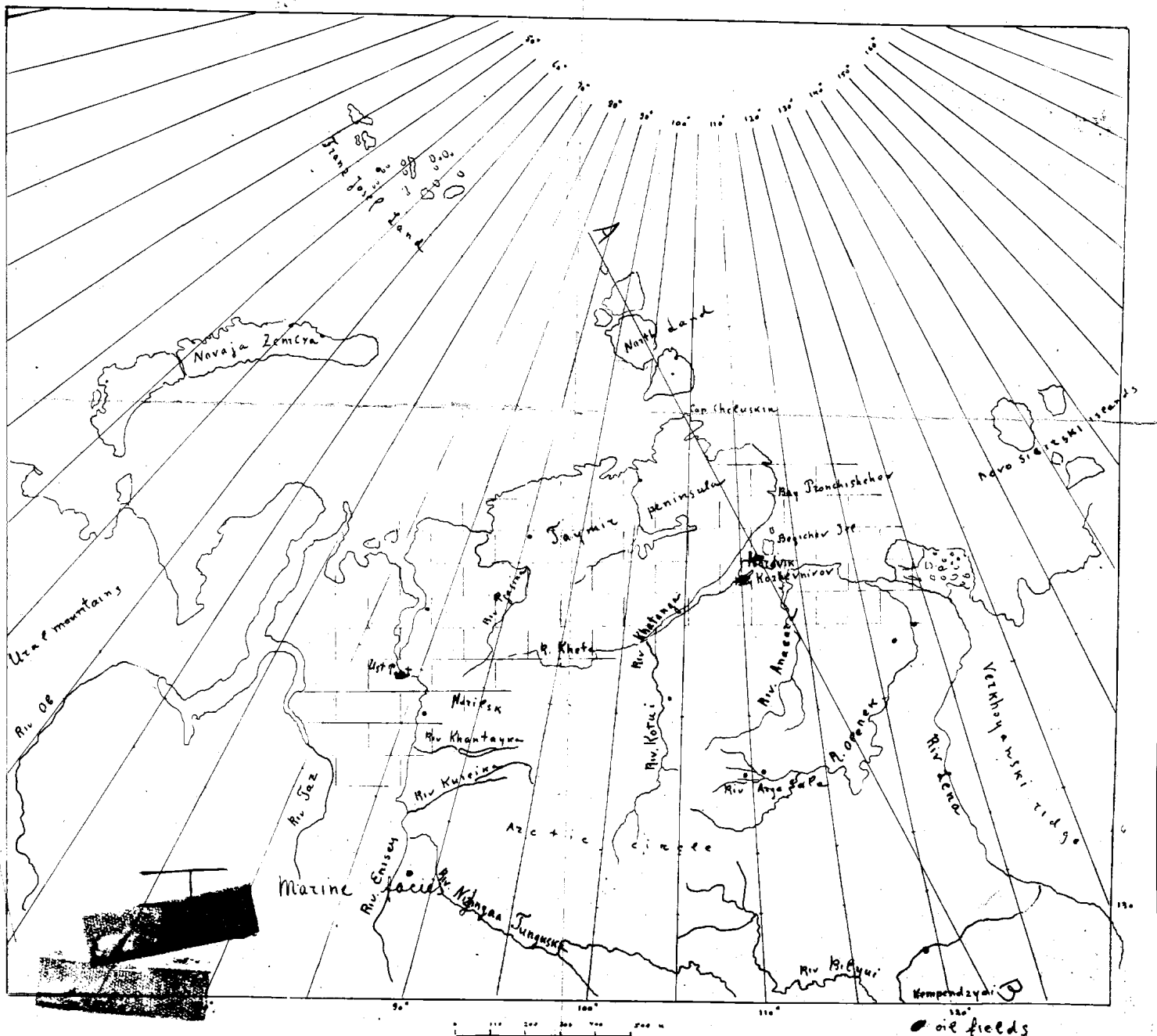
Silurian and Lower Devonian



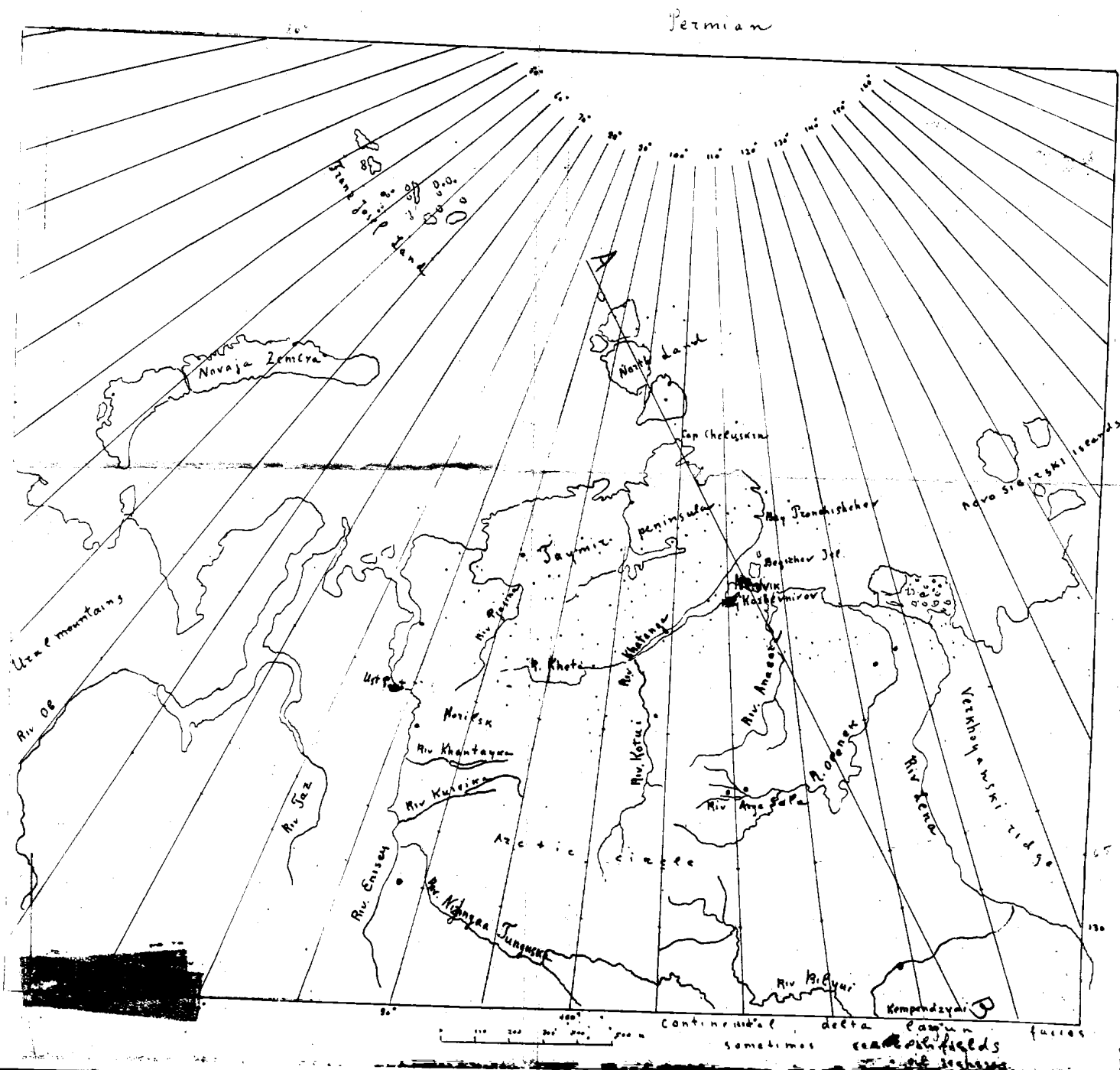
~~N:122~~~~A 12 115~~

No. 122.

Upper Devonian and Carboniferous

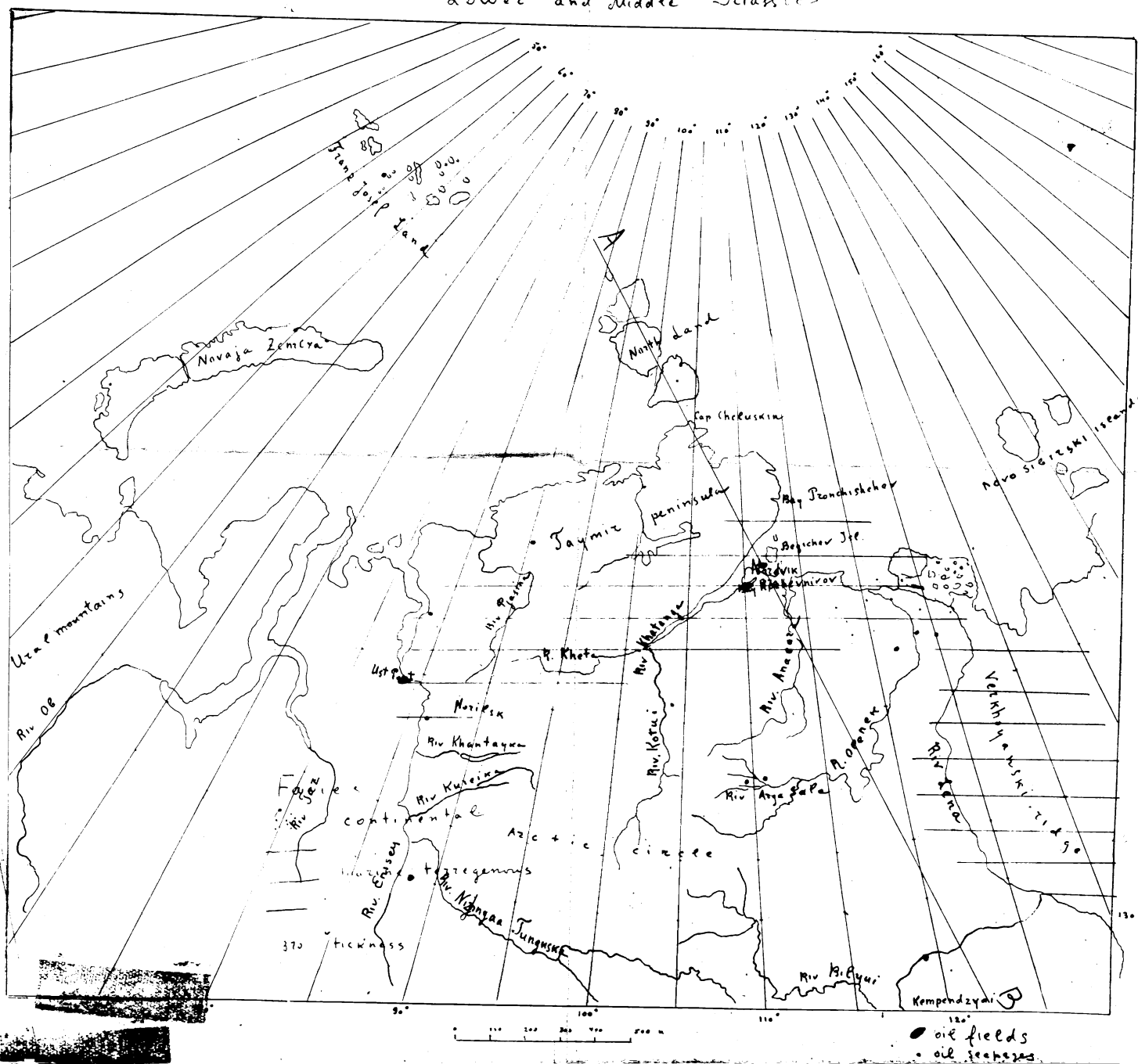


~~A: 123~~
~~A': 115~~
No. 123

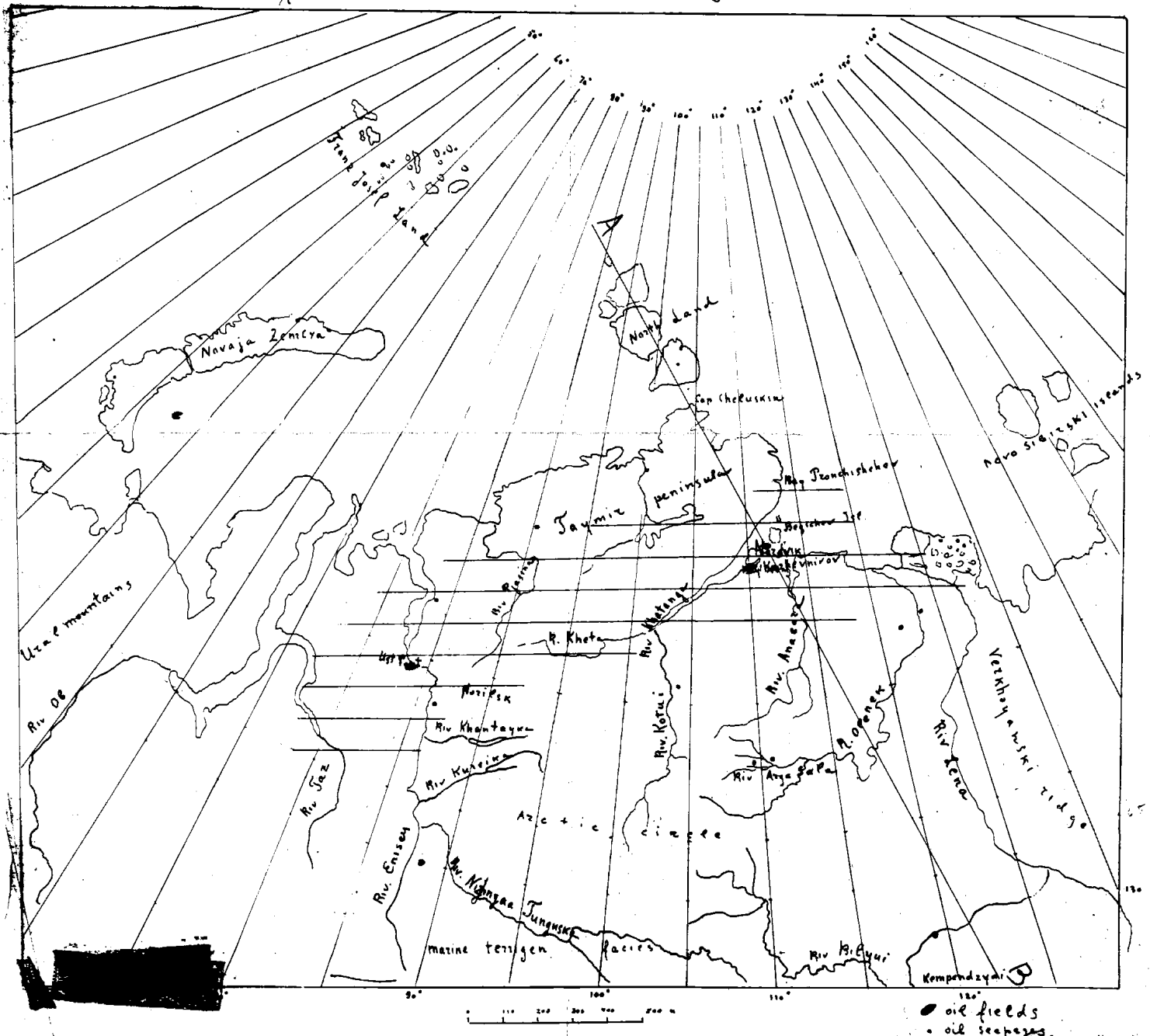


~~A: 124~~
~~A: 115~~
No. 124

Lower and Middle Triassic



Jurassic and Lower Cretaceous



~~A: 115~~
No: 127

[illegible]

Diagram illustrating Oscillations in Taimir Depression N-126

North Land

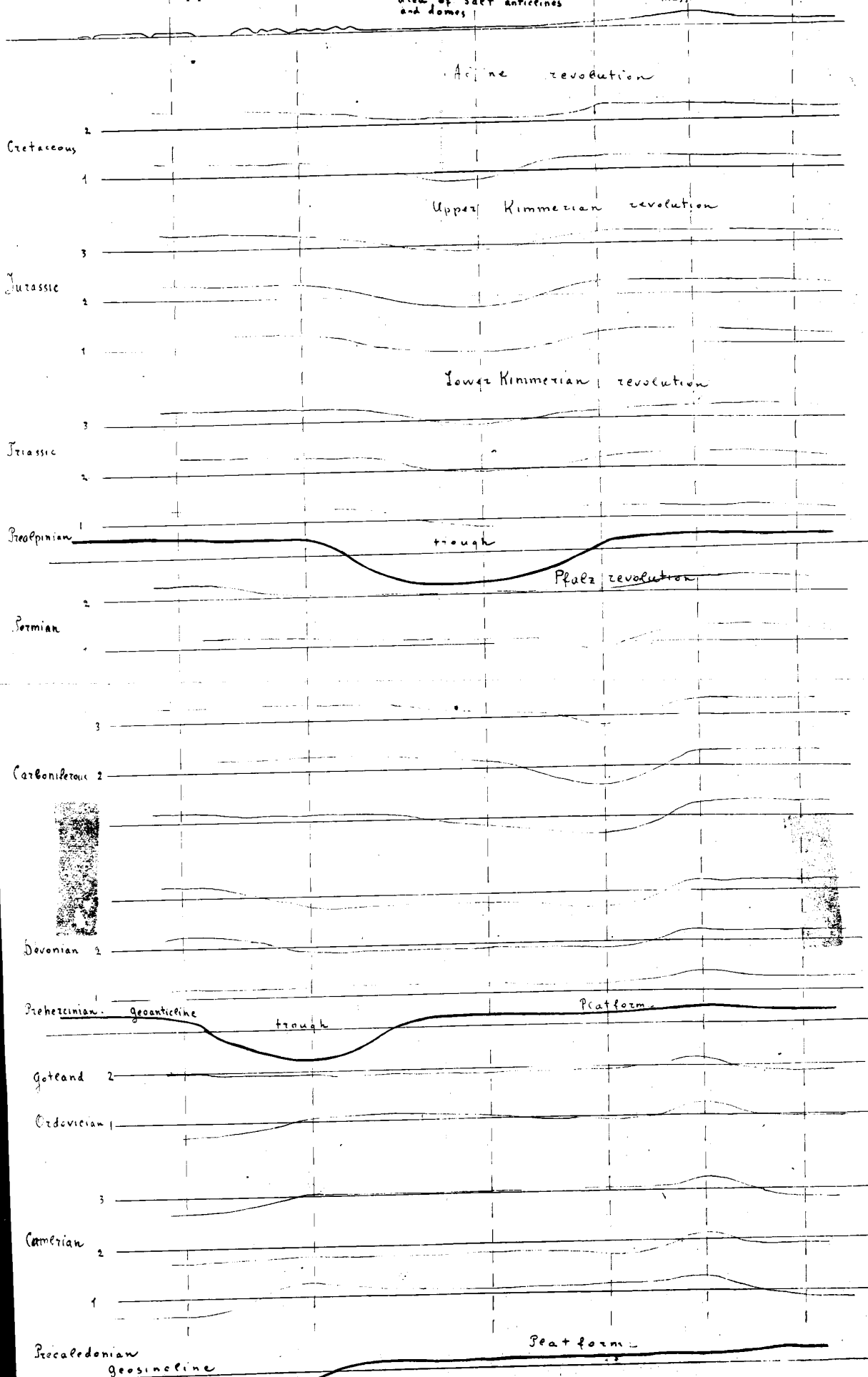
Taimir

Siberian platform

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area of late anticlines and domes

South of An. massive



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General map Teymur

СОСТАВИЛ Л. П. Смирнов I. P. Smirnow





[illegible]


MACHTAB 1/330.000

по параллели 7°
сечение рельефа 40003 Ю.п.

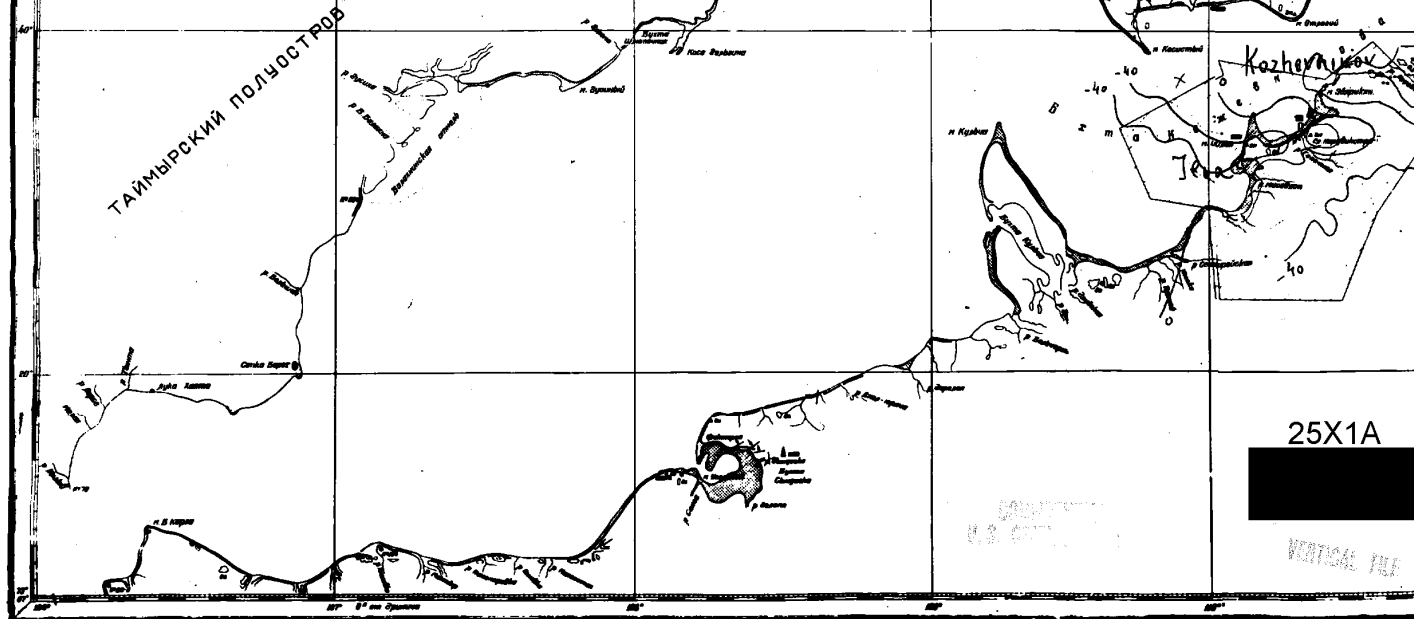
ЛЕГЕНДА.

Recent deposits
Post Pliocene
Coal bearing sand
Upper Cretaceous
Lower Cretaceous
oil fields
Coal mine
Salt mine
gypsum

α_0	Сбалансированное отклонение.
α_i	Потенциальное отклонение.
C_{α_0}	Наивысшее отклонение.
C_{α_i}	Нижний предел.
	Растрахованное отклонение.
	- - - - -
	- - - - -
	- - - - -

$J_{\text{из}}$	Яркость источника
$JL \cdot D$	Поток света
S_2	Площадь экрана
β	Аналоговый коэффициент усиления
Δ	Поглощение света
\square	Аналоговый коэффициент
\oplus	Полупроводник
	Экранирование света

Jurassic
Permian + Triassic
Core of salt domes on surface
Diatase
Sulfur
Colloidal clays
Polymetal ores
Area surveyed by gravity method
+ Positive anomaly
- Negative "
magnetic surveying



25X1A

10/10/1944

ЕМЫХ

ИСМИРОВА

инструментальной
в Бегичева, 1:100000 -
иже Нордвикской эк-
кам западного берега
наибольшей от Кара до
1 до астраханки за
и астраханки Гидро-
штан

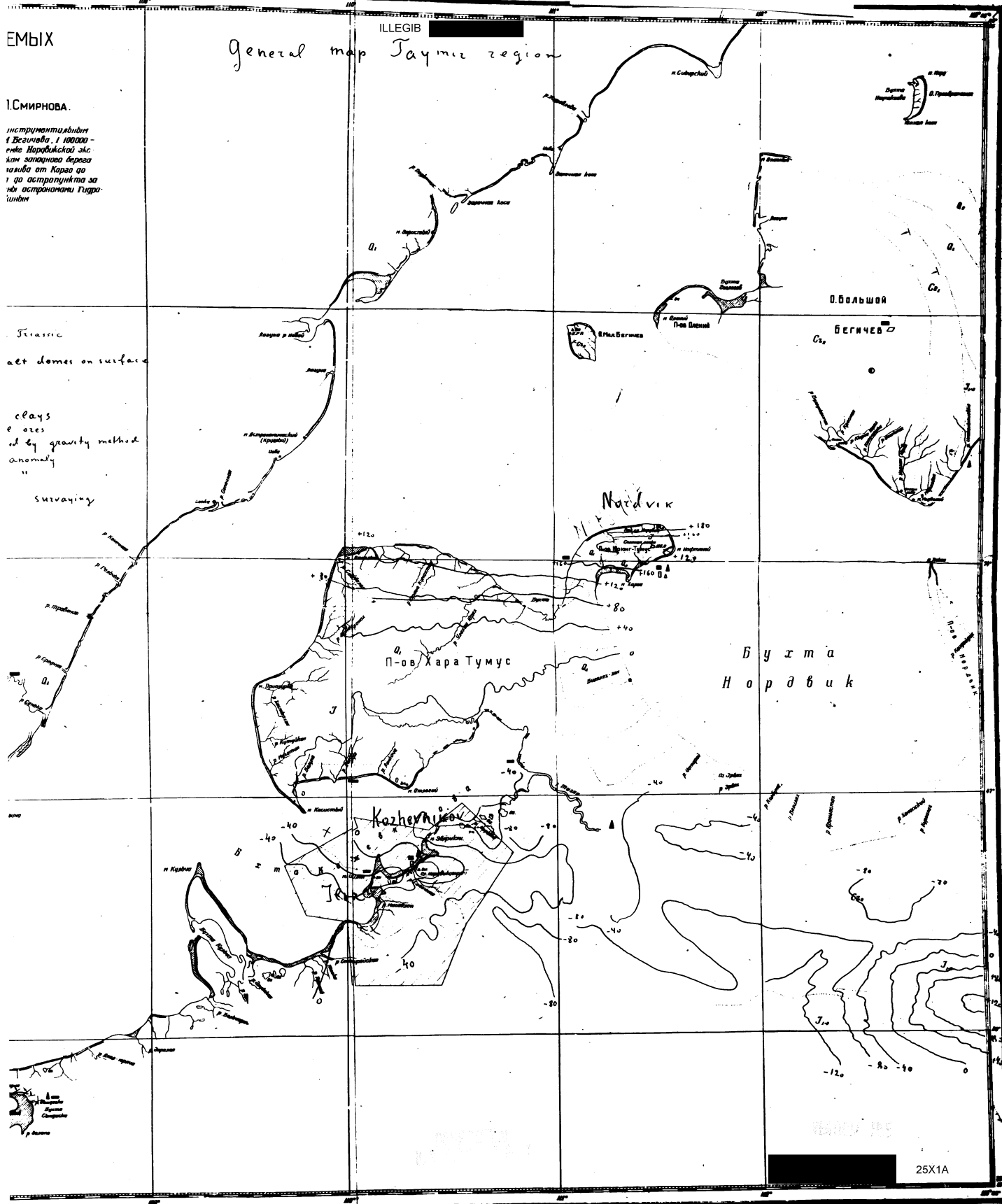
Terrace
act domes on surface

clays
e oes
d by gravity method
anomaly

swimming

general map Taymyr region

ILLEGIB

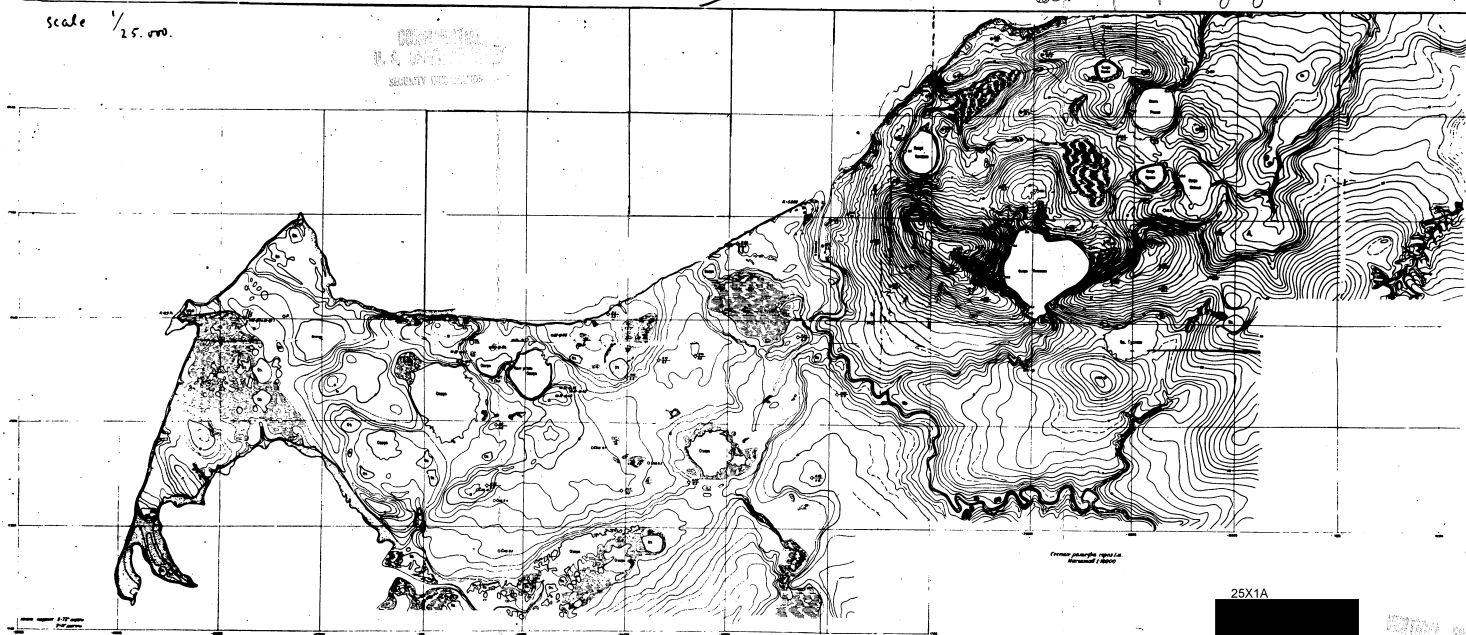


25X1A

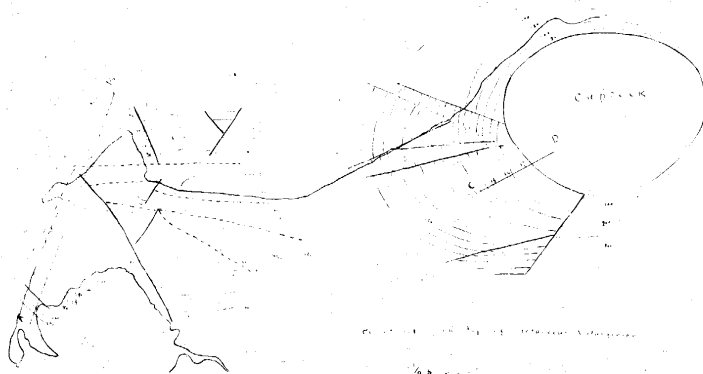
scale $\frac{1}{25,000}$.

III details of oil fields Bay Kozhemzhiy + ~~Bay~~ Bay Kozhemnikov + Ilia

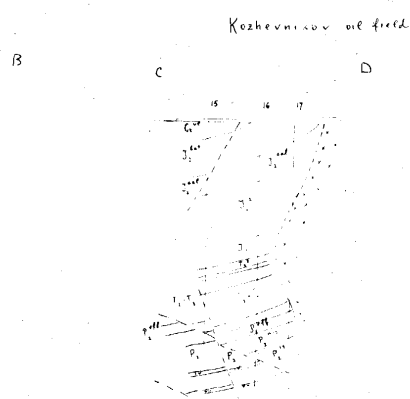
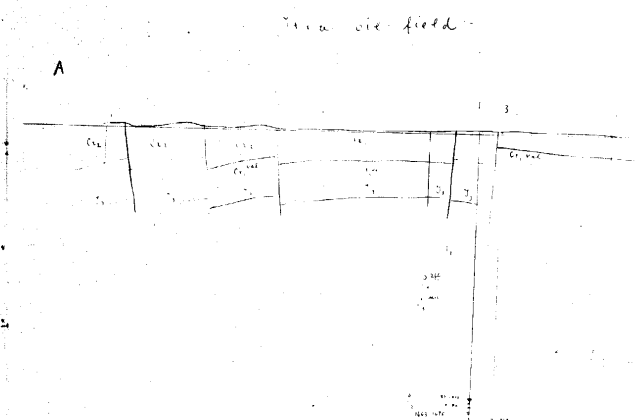
Nº 130



Die firds Jera und kochreunen



STATINTL

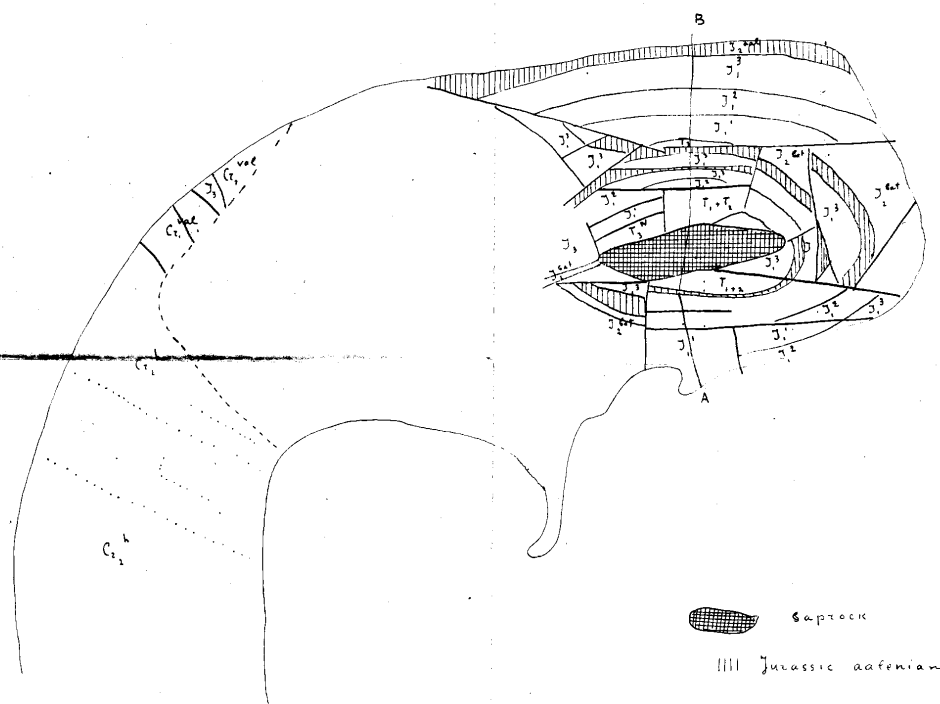


STATINTL

Nordvik oil field

N: 133

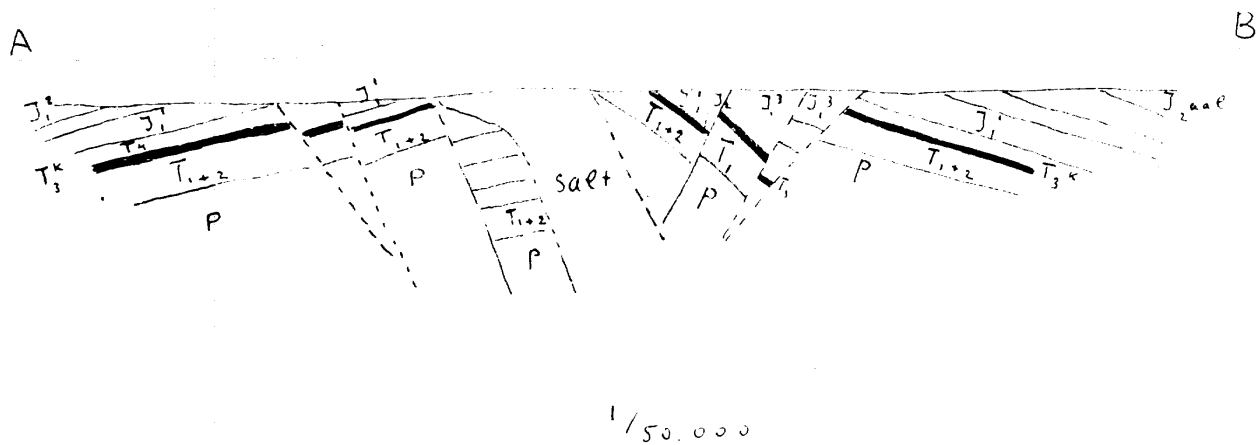
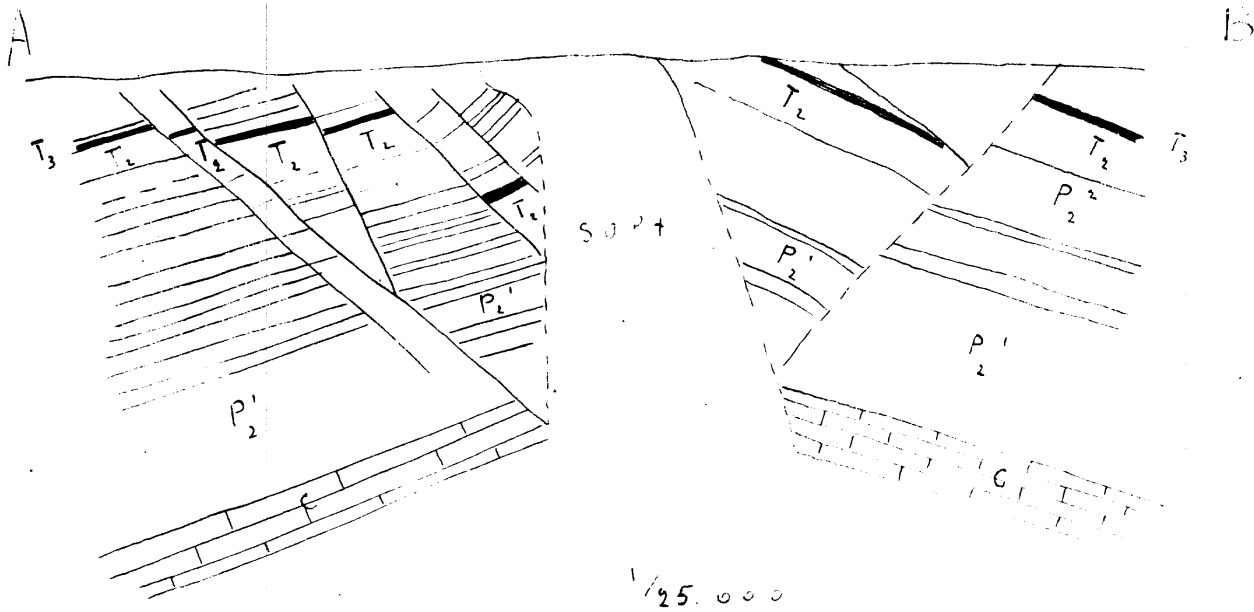
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0



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Nº 134

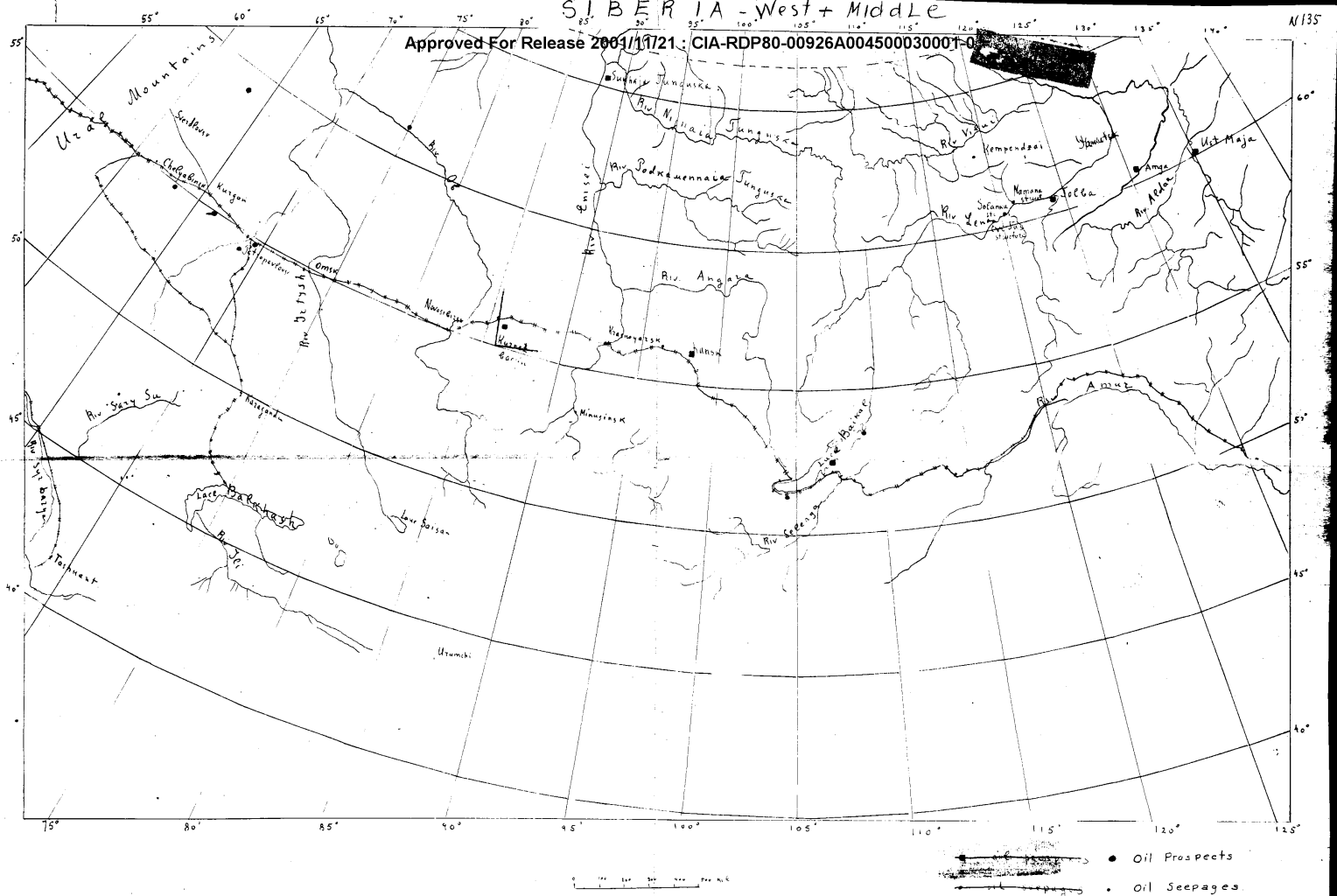
Nordvik

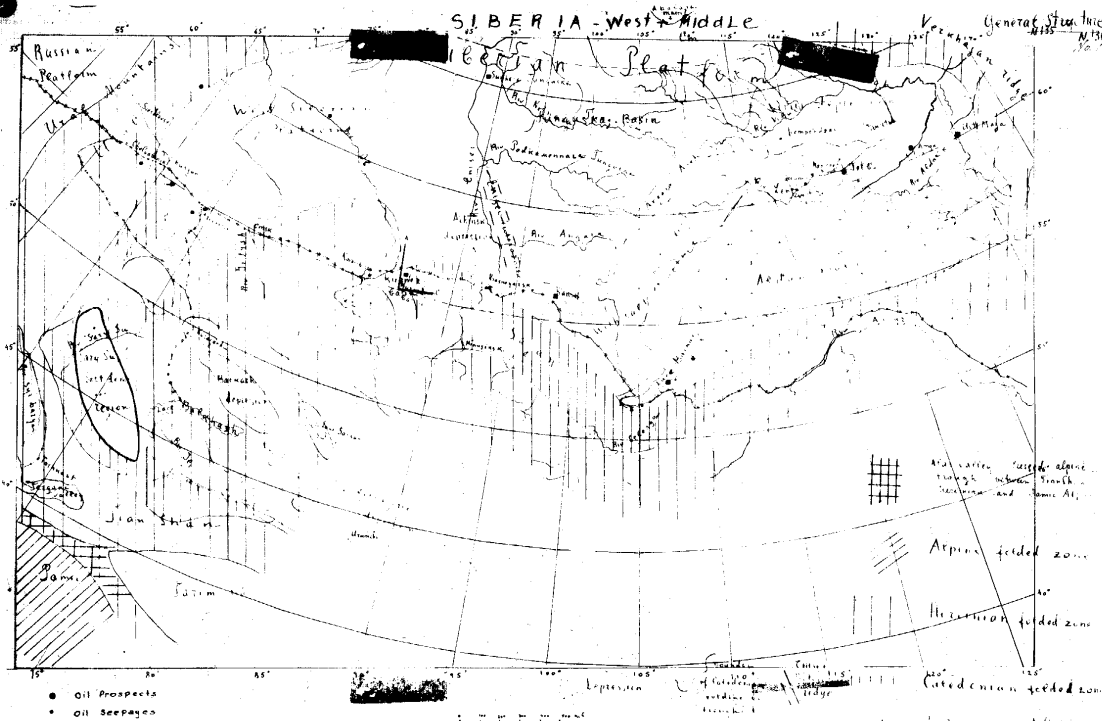


— oil horizon

SIBERIA - West + Middle

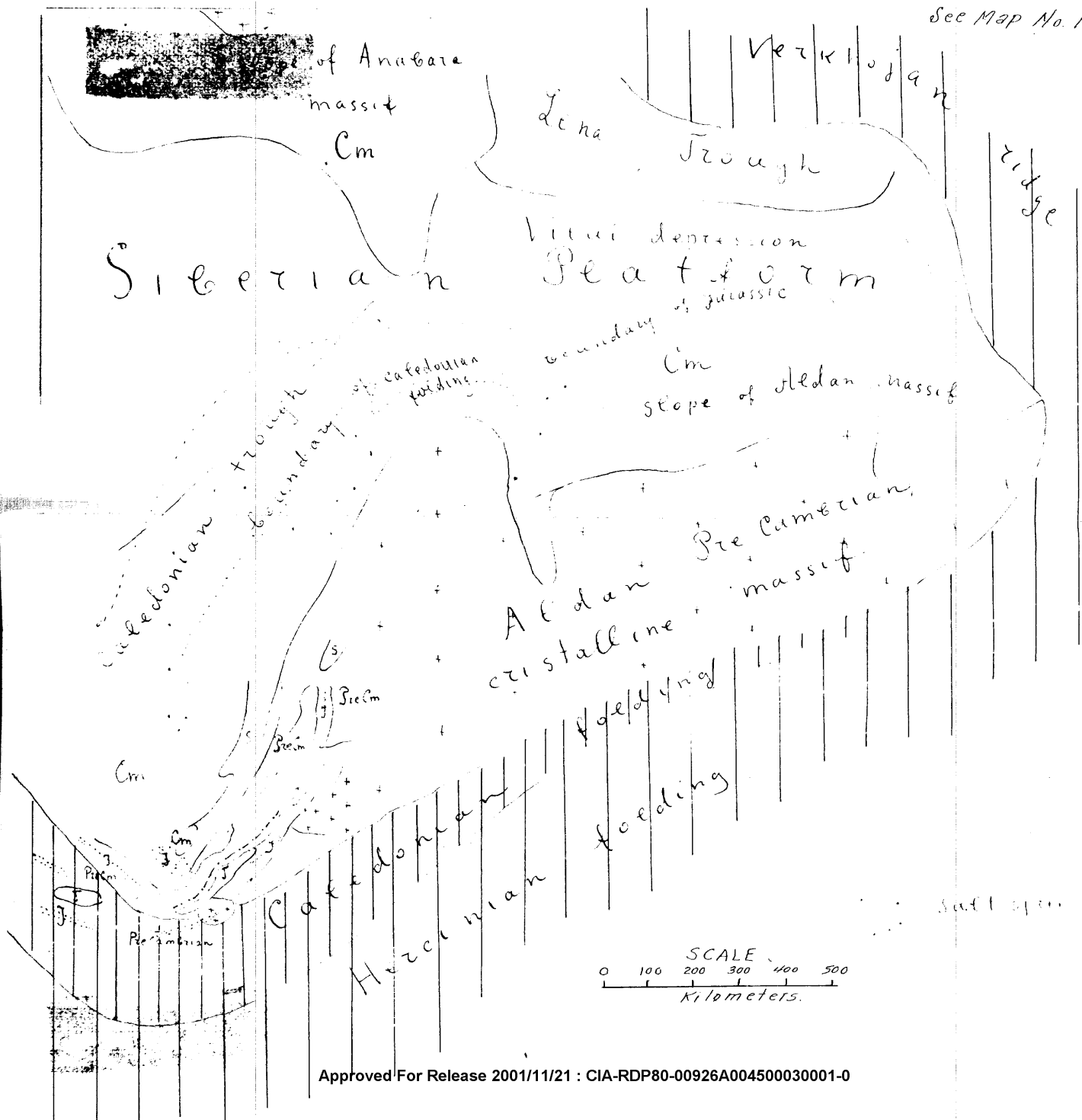
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0





STATINTL

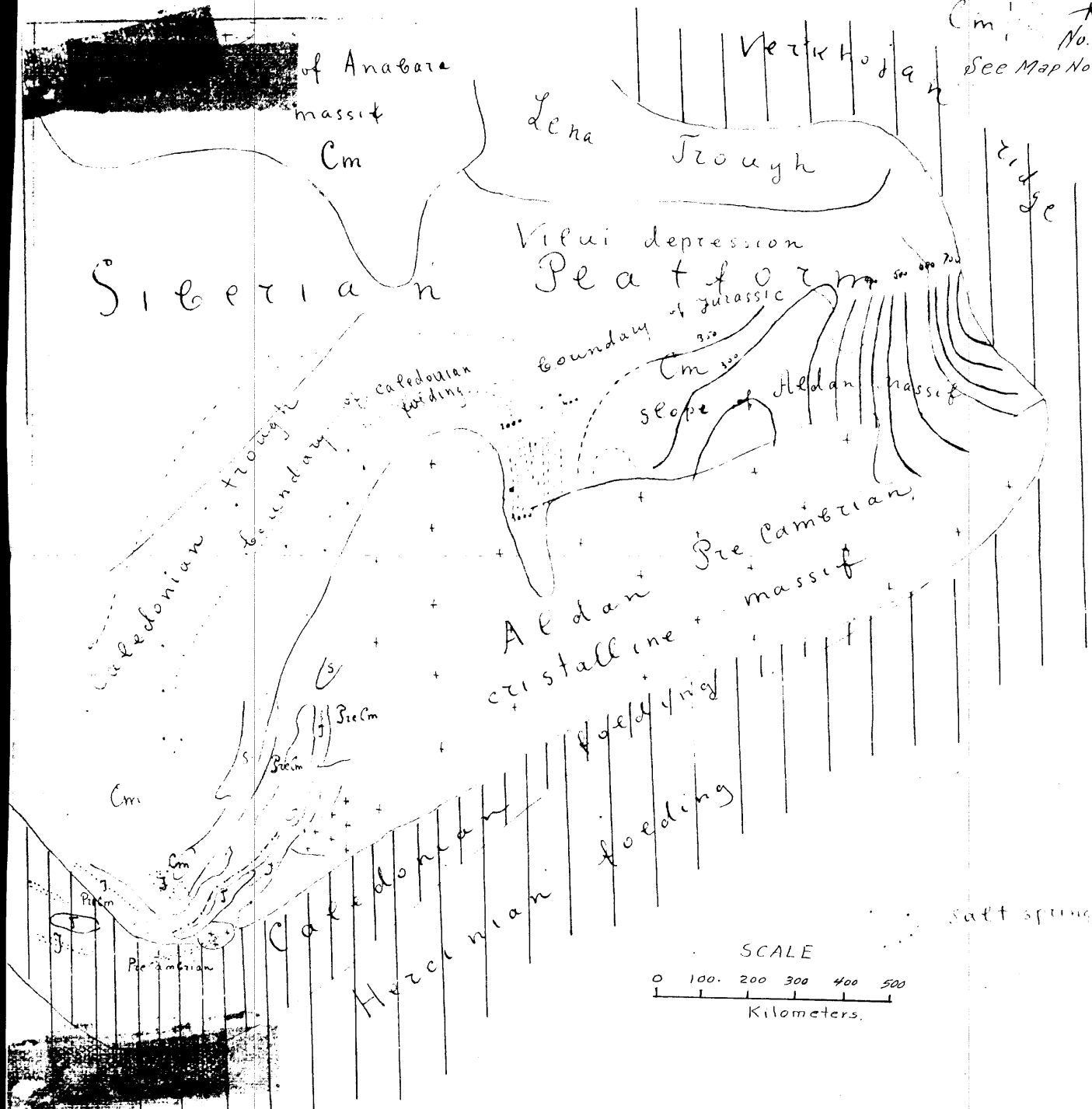
Cambrian basin
of Siberia N:137
See Map No. 136



Cambrian outcrop N-131

of Siberia

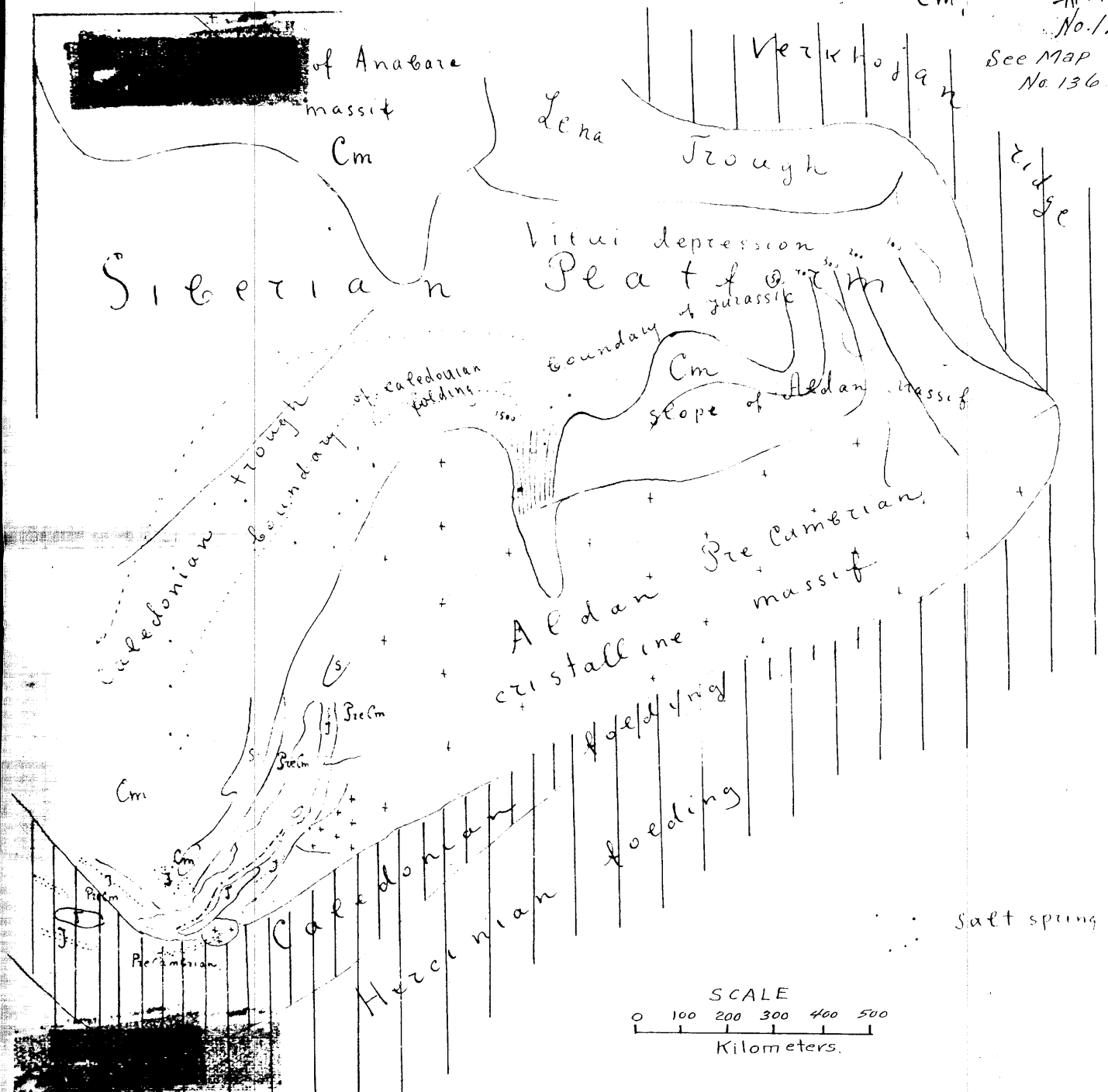
N-138
No. 138
See Map No 136



Cambrrian basin
thickness
of Siberia

H-139
No. 139

See Map
No 136

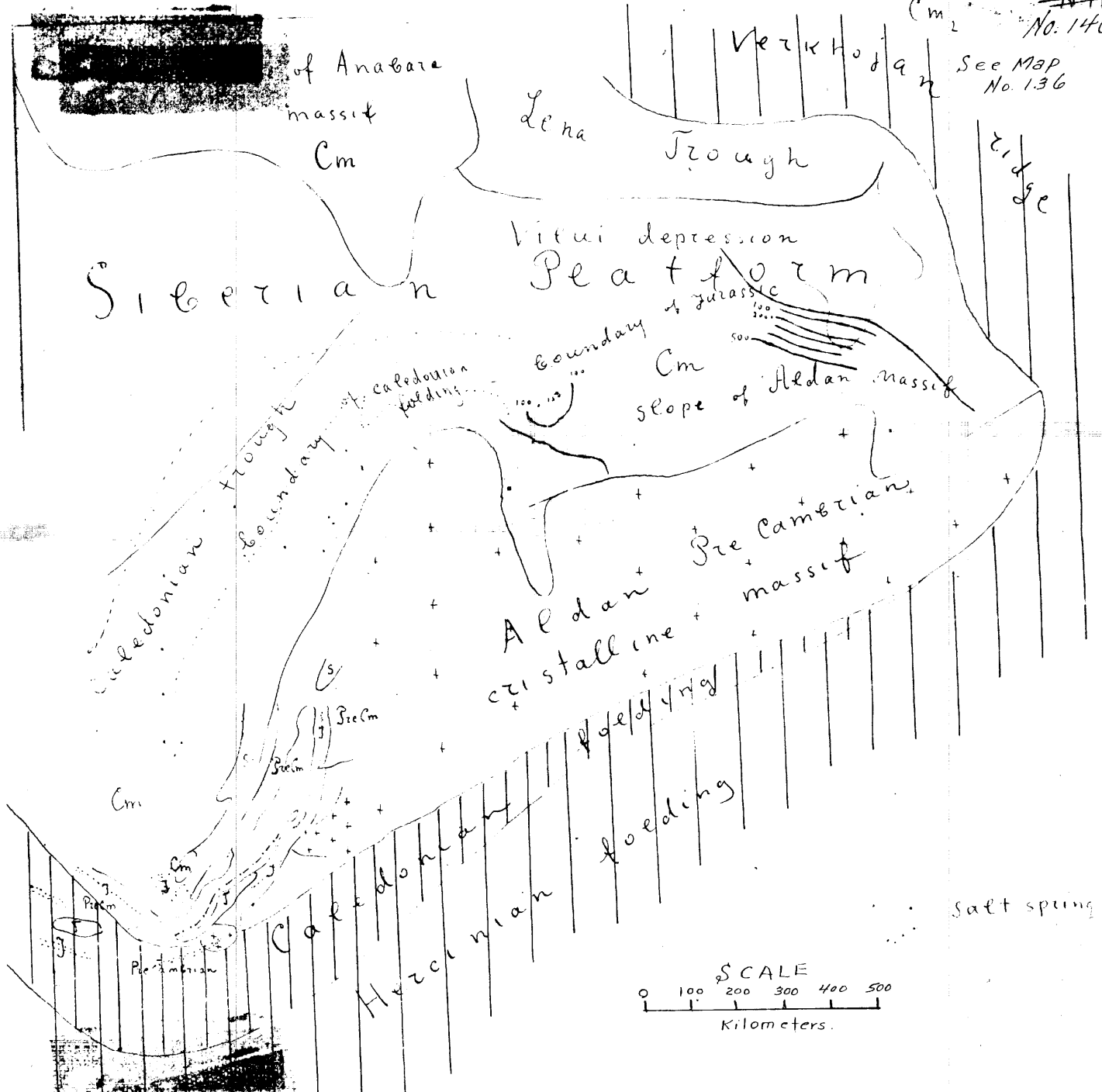


Cambrian basin ~~N°137~~

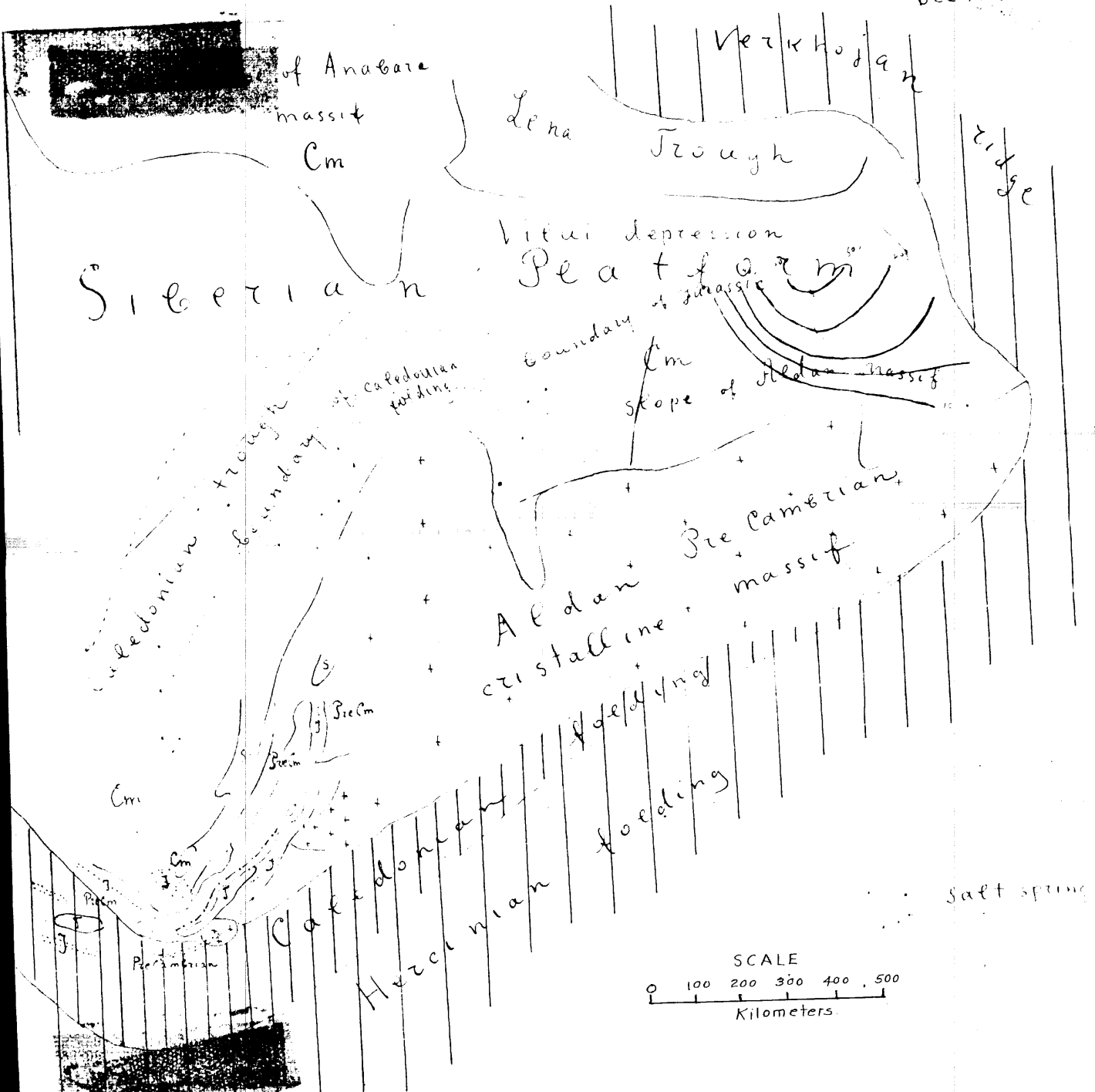
M. Cambrian Siberian

~~N°140~~
No. 140

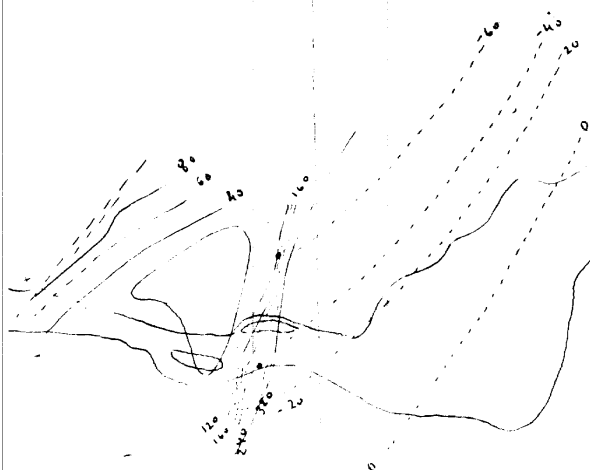
See Map
No. 136



Campanian basin
of Siberia No 141
See Map No. 136



Eve Tas structure
(qu Neruata)



0 4 km

• saet springs

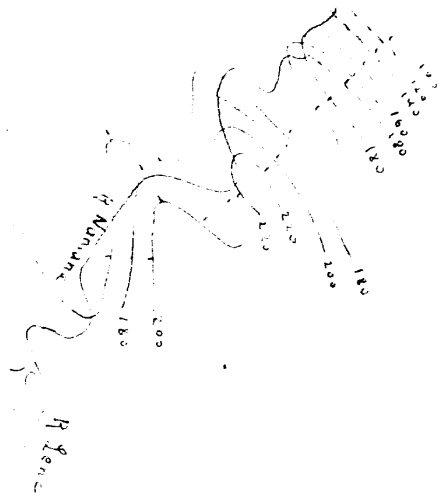
Solanka structure



2 3 4 km

Surface of Chaz series down formation

Namana structure



1 2 3 km

Nº 143

三

A

٣٣

9

1 of seepages

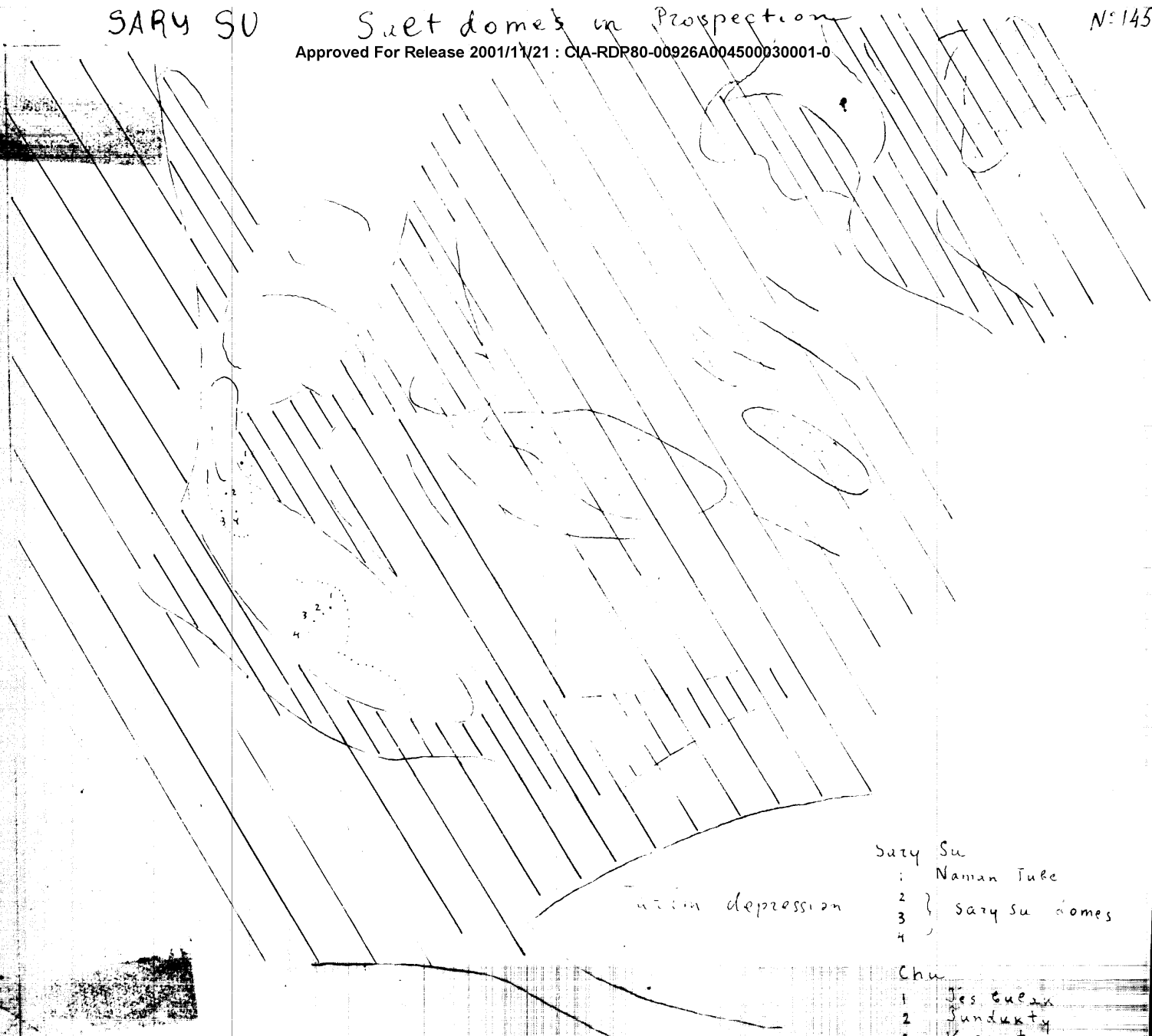
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

SARY SU

Salt domes in Prospection

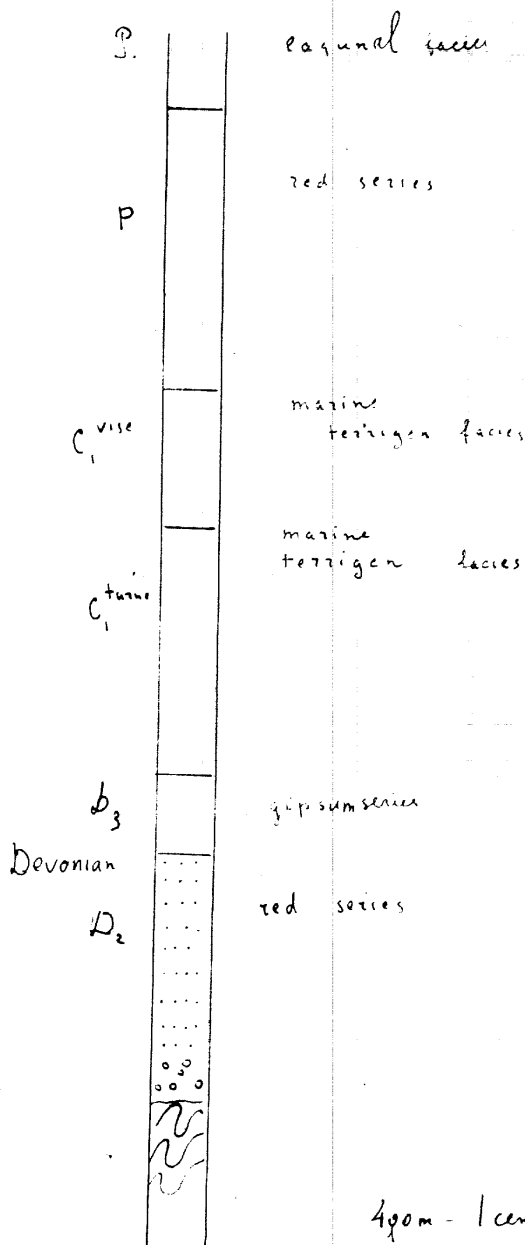
N: 145

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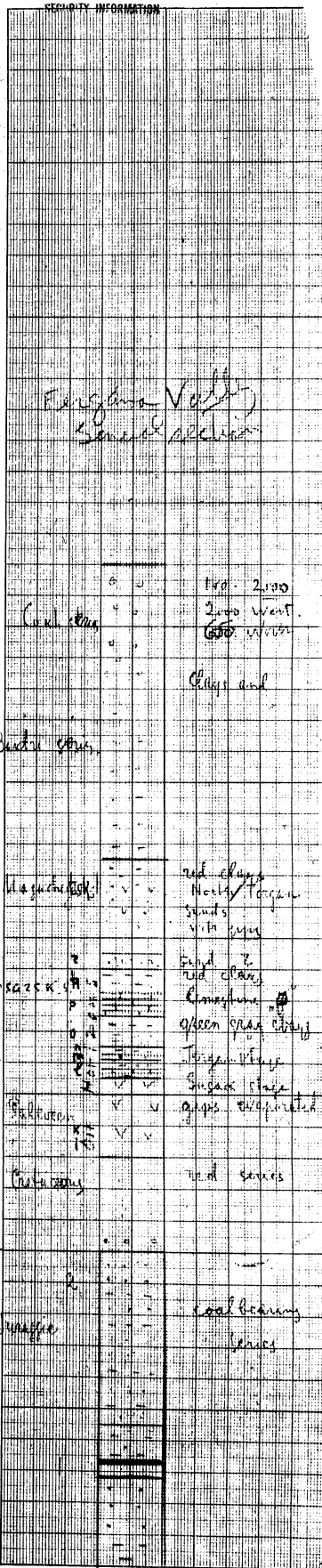
- Sary Su
- 1 Naman Tube
 - 2 } Sary Su domes
 - 3 }
 - 4 }
- Chu
- 1 Jesh Guean
 - 2 Jundakty
 - 3 Kazakty
 - 4 Jantai

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CONFIDENTIAL
U.S. OFFICIALS ONLY

N: 150



100 - 1 cent.

100 - 1/10.000

CONFIDENTIAL
U.S. OFFICIALS ONLY

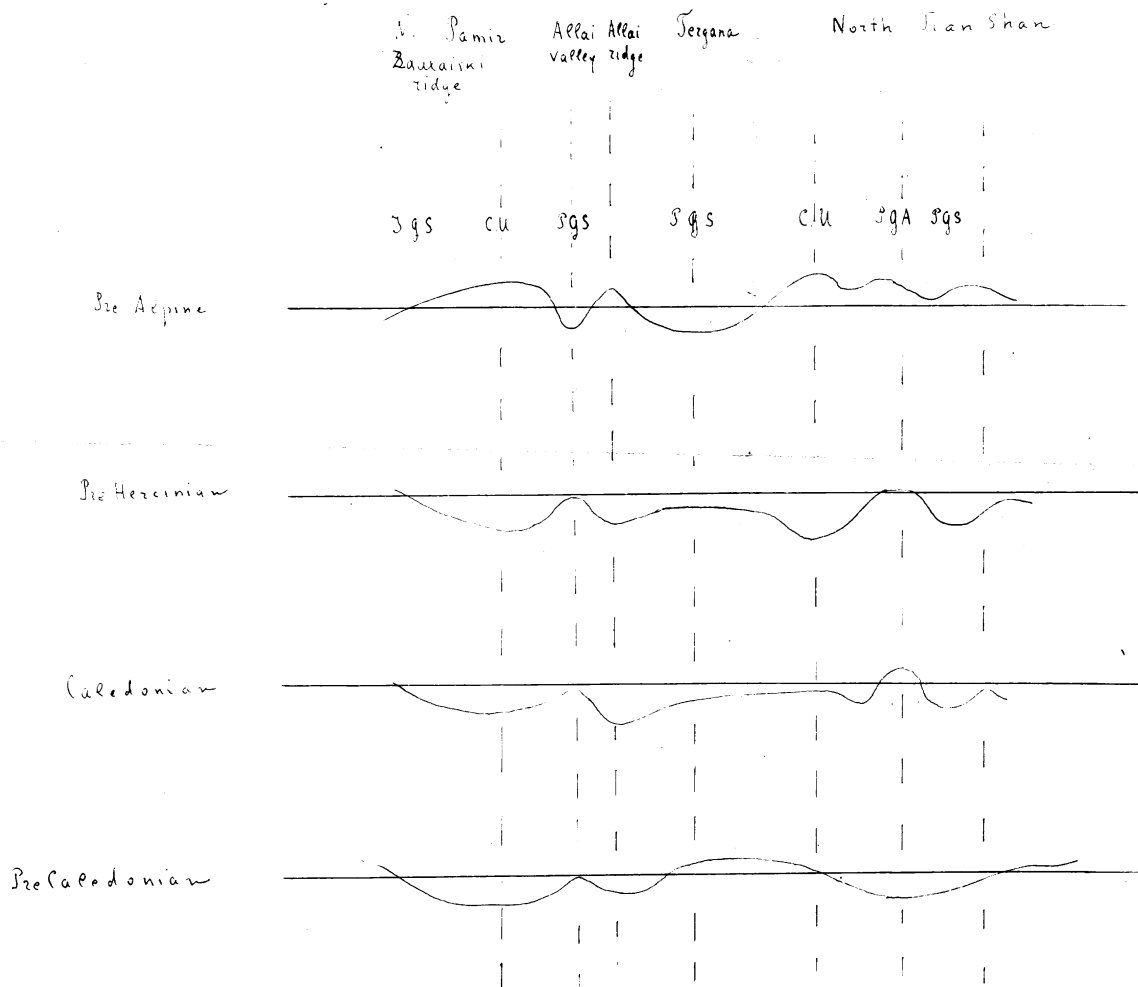
ILLEGIB

Jergana Valley

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Oscillation diagram

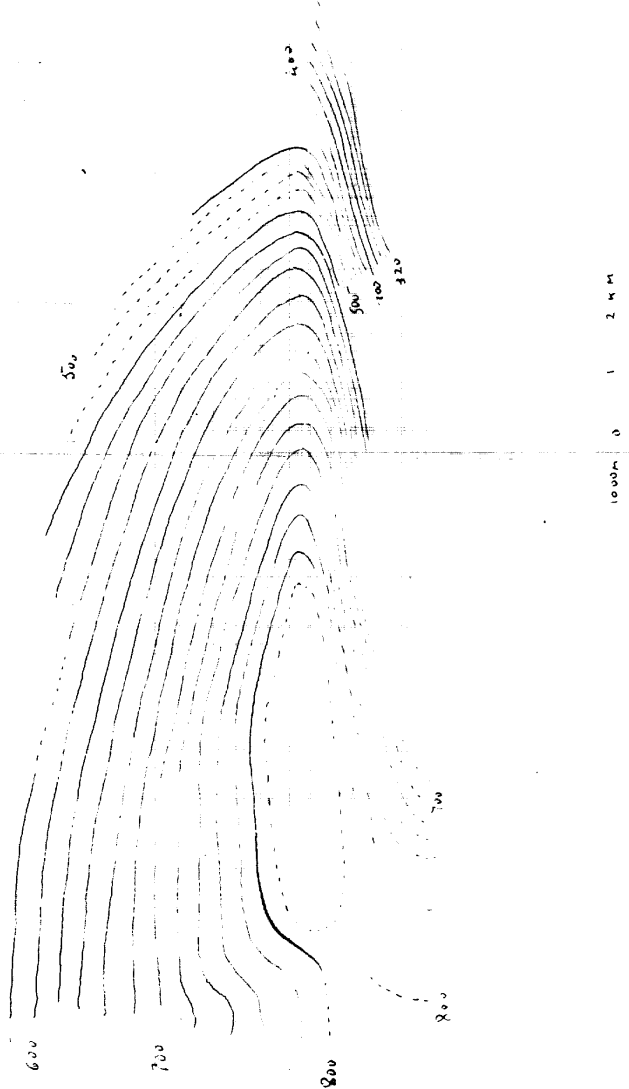
N:151



N:157

Sel rokho oil field

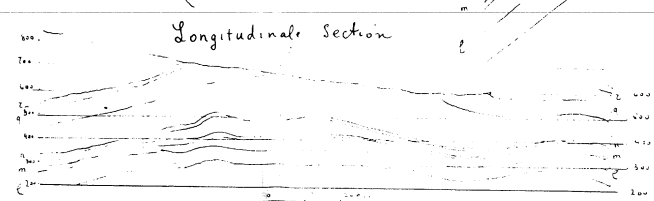
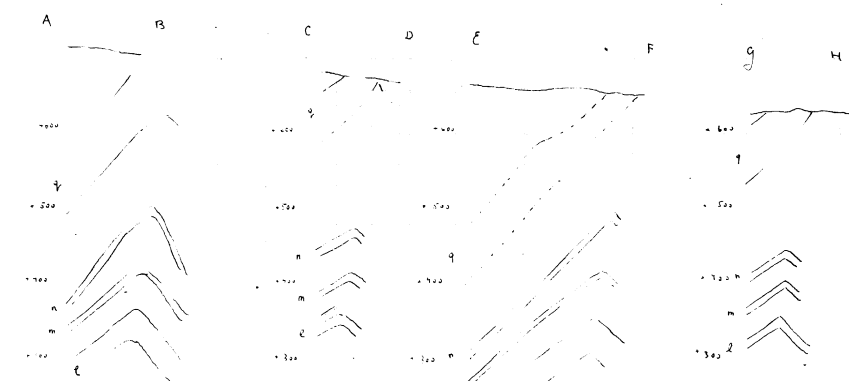
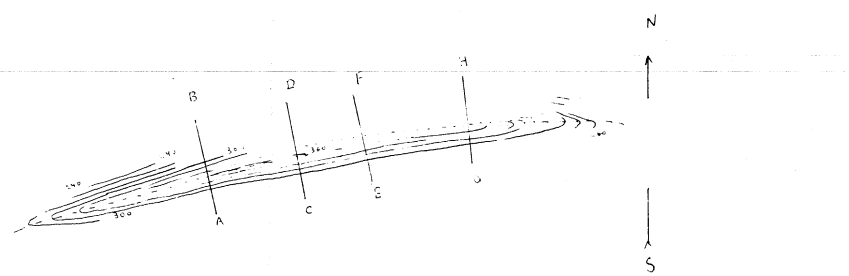
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0



Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

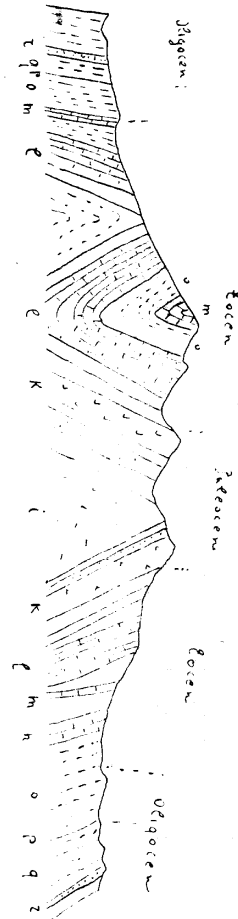
Shor su Oil field

N: 158



l, m, n q oil horizon

Shoer Su oil fields



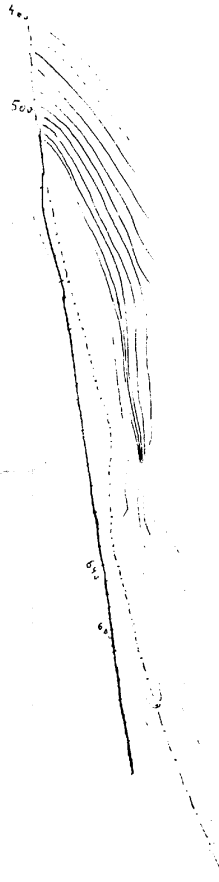
1, K, L, M, N, O, P, Q, Z, oil horizons

Oligocene at anticlinal

Chimion are fixed

Nº 160

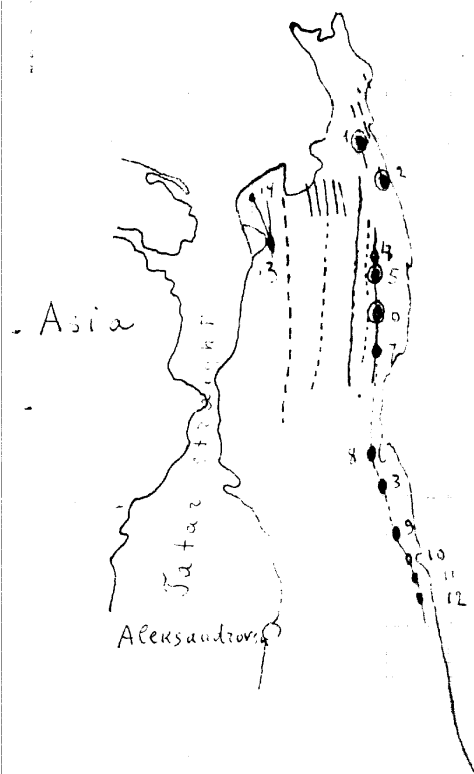
200m 0 400 800 1200m



SAKHALIN

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Prospects and
oil fields



- 1 Oxha productive oil field
- 2 Ekhaba " "
- 3 Khatanga " "
- 4 Sabo " prospect
- 5 Poloma productive oil field
- 6 Nutovo " "
- 7 Shalvin " prospect
- 8 Vlasen " "
- 9 Nati " "
- 10 " "
- 11 " "
- 12 " "
- 13 Langen " "
- 14 " "

• prospect
○ oil fields

10K 0 20 40Kil

anticlines

faults

N: 164

SAKHALIN

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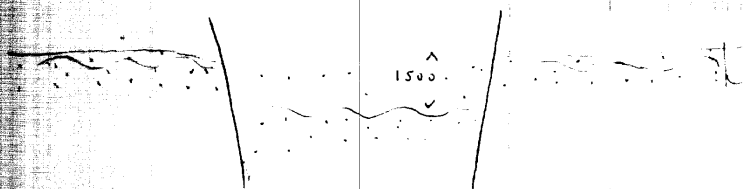
General Cross Section

West
Sakhalin

Central
Sakhalin

East
Sakhalin

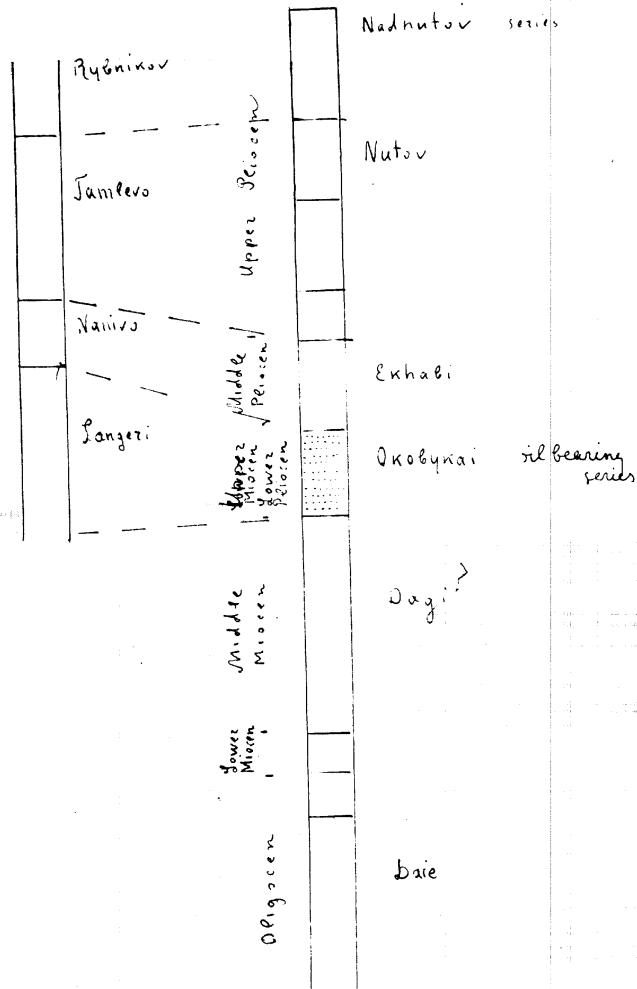
E



Scale 1 10 20 km

SAKHALIN

general section



400 m - 1 cent

No 166

SAKHALIN

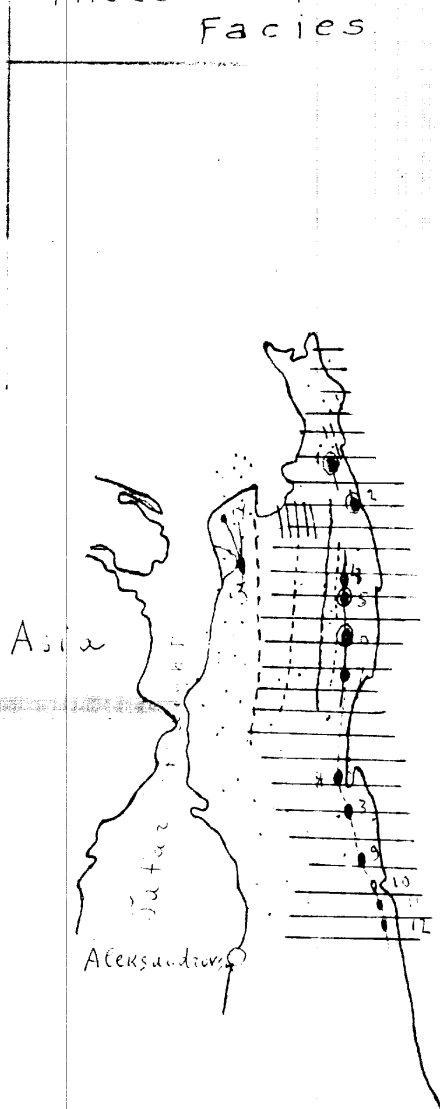
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No. 166

No. 163

Prospects and
oil fields

Miococene & Pliocene
Facies



1. Onka productive oil field
2. Enhaki " "
3. Khatangui " "
4. Sado prospect
5. Poloma productive oil field
6. Nutovo " "
7. Shalvin prospect
8. Vigren " "
9. Nali " "
10. " "
11. " "
12. " "
13. Khatangui " "
14. " "

• prospect

⊙ oil fields

===== Lagoonal Facies

..... Continental Facies

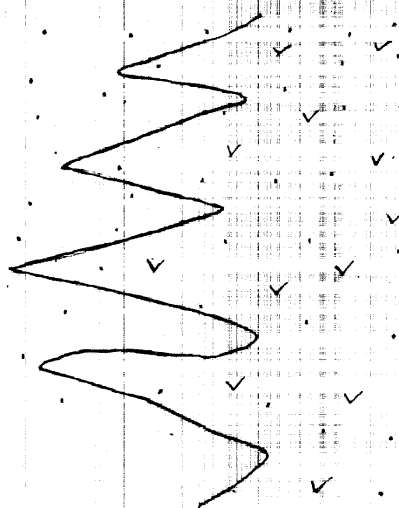
194 0 20 40 km

Continental
facies

Lagoon
facies

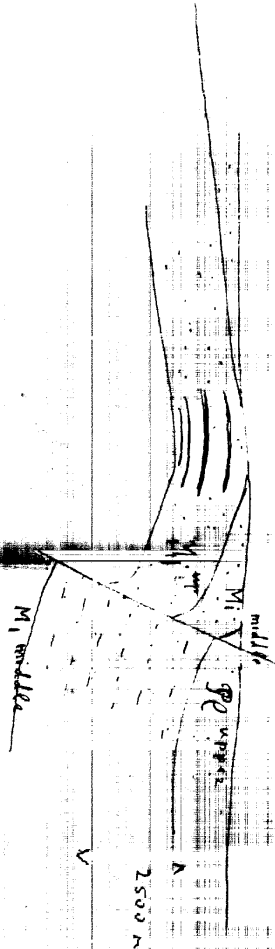
West

East



✓ ✓ Lagoon facies
✓

• • Continental facies
• •



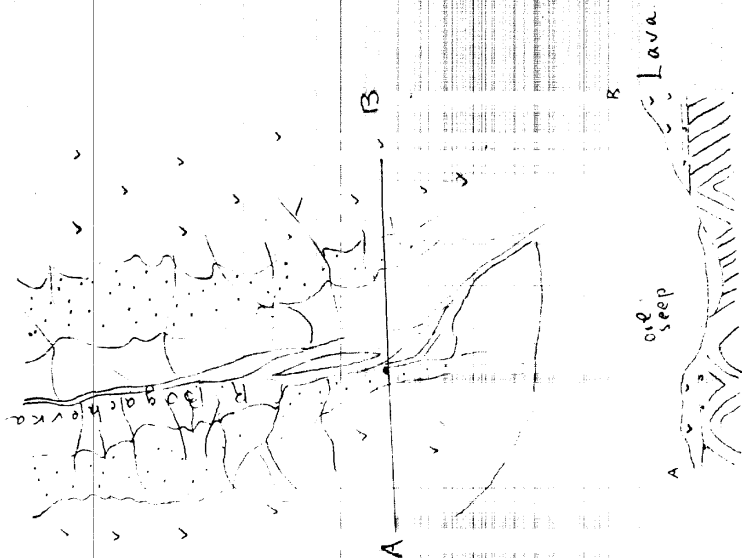
OKHA
vie field

25X1A

APR 1988
Mo 168

STATINT

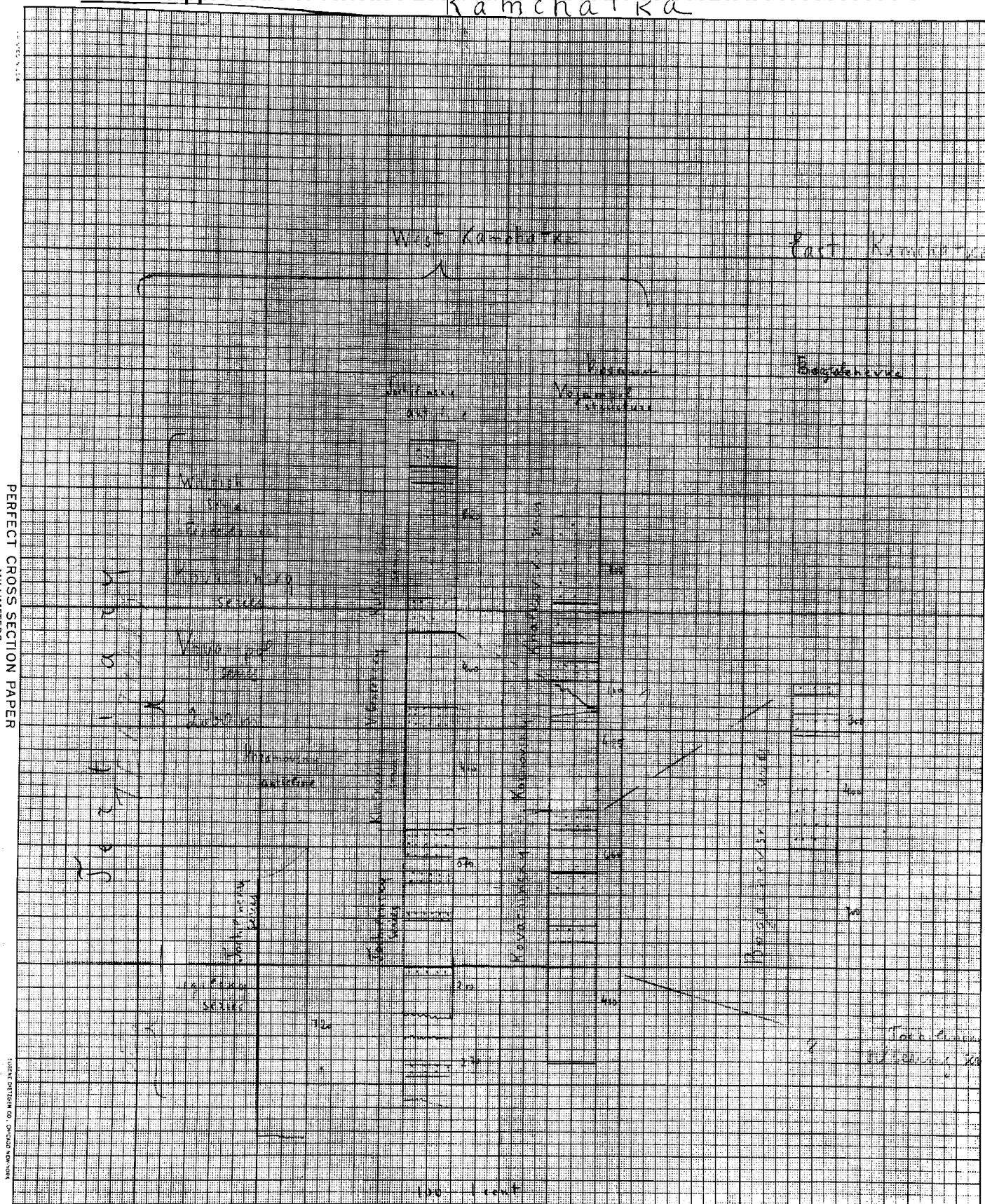
Old Prospect or Oil fields
Kamchatka



1. Vojampolka structure
2. Jochilenskaja
3. Khromovskaja
4. Vanskaja

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01/11/21 : CIA-RDP80-00
Kamchatka



caucasus

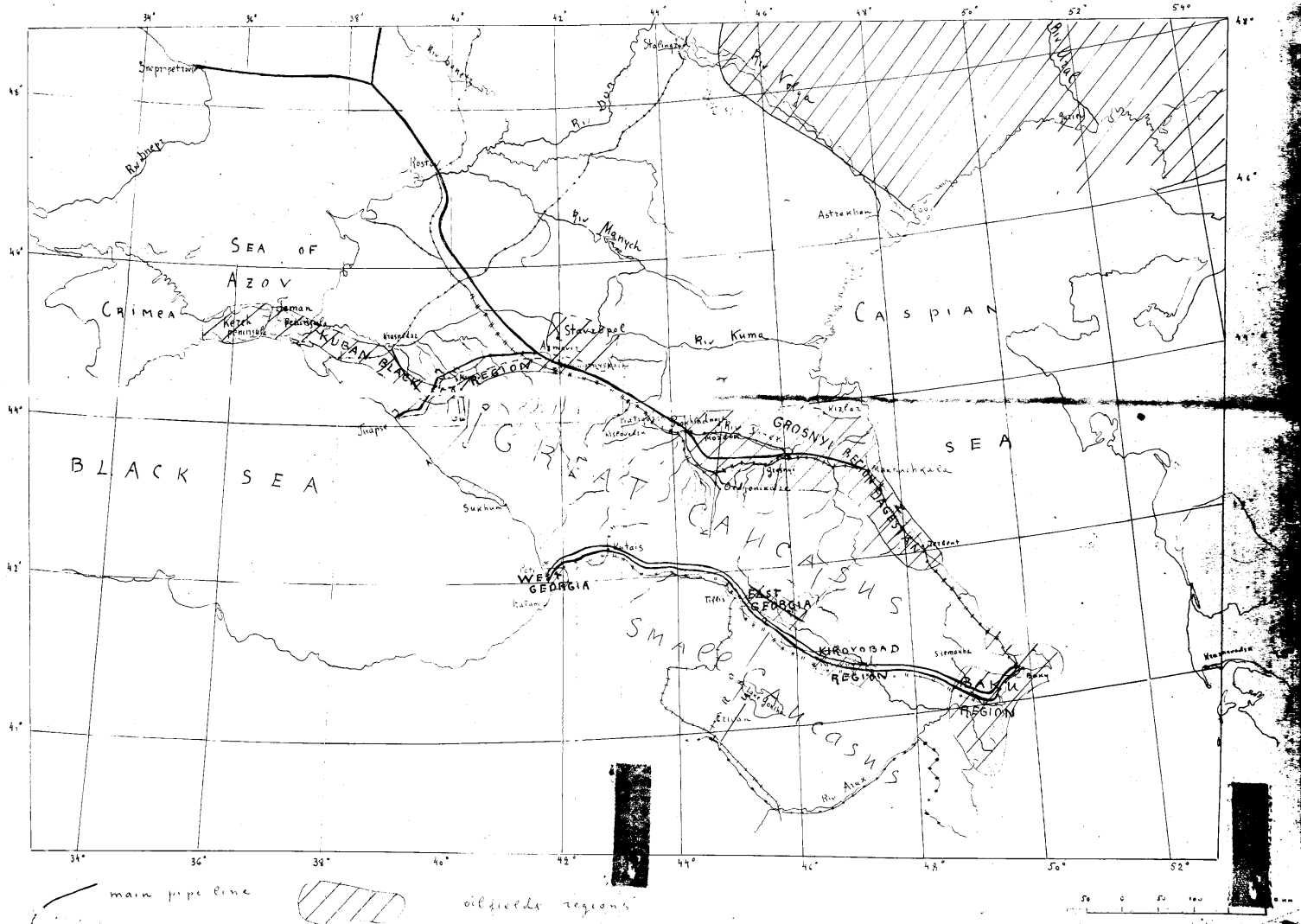
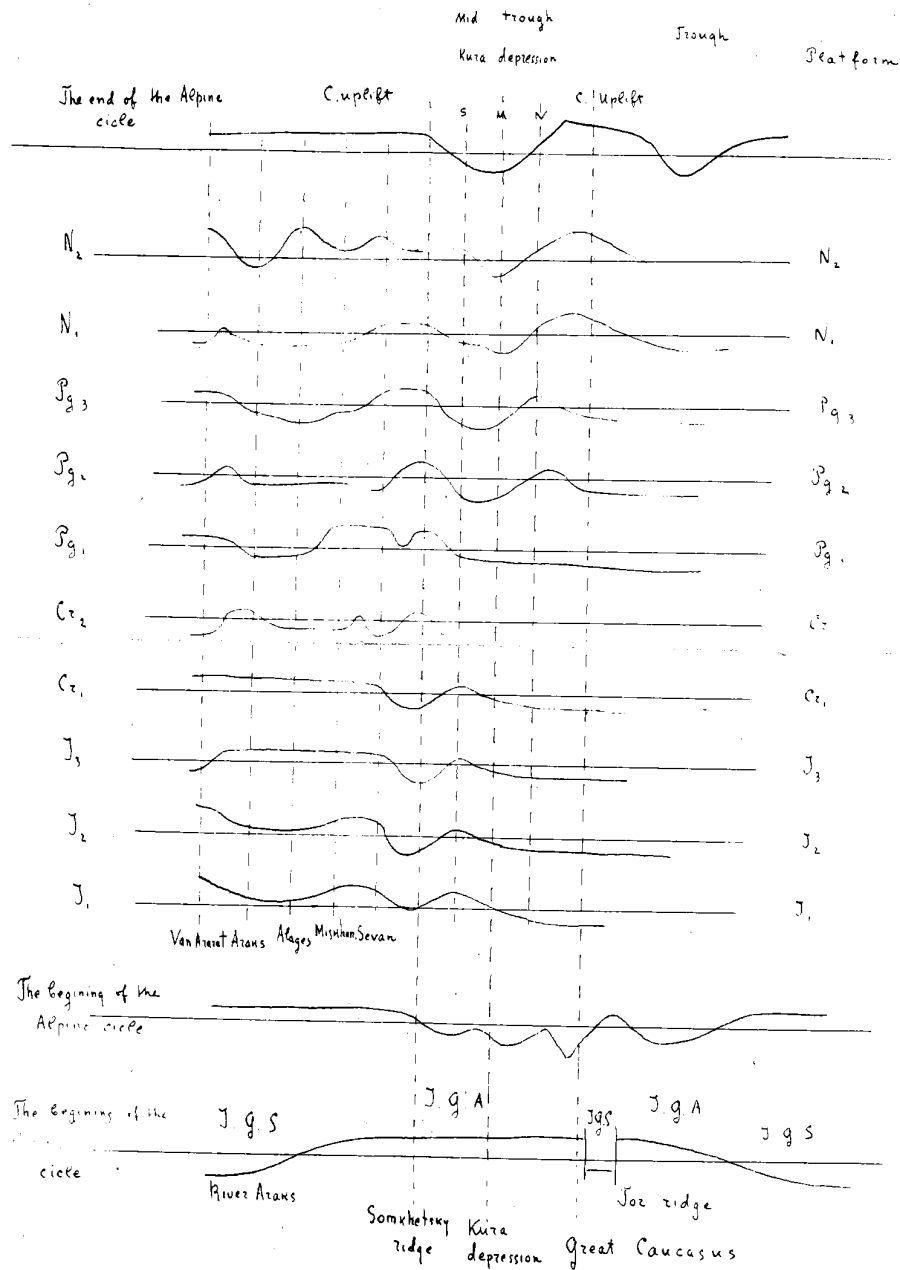
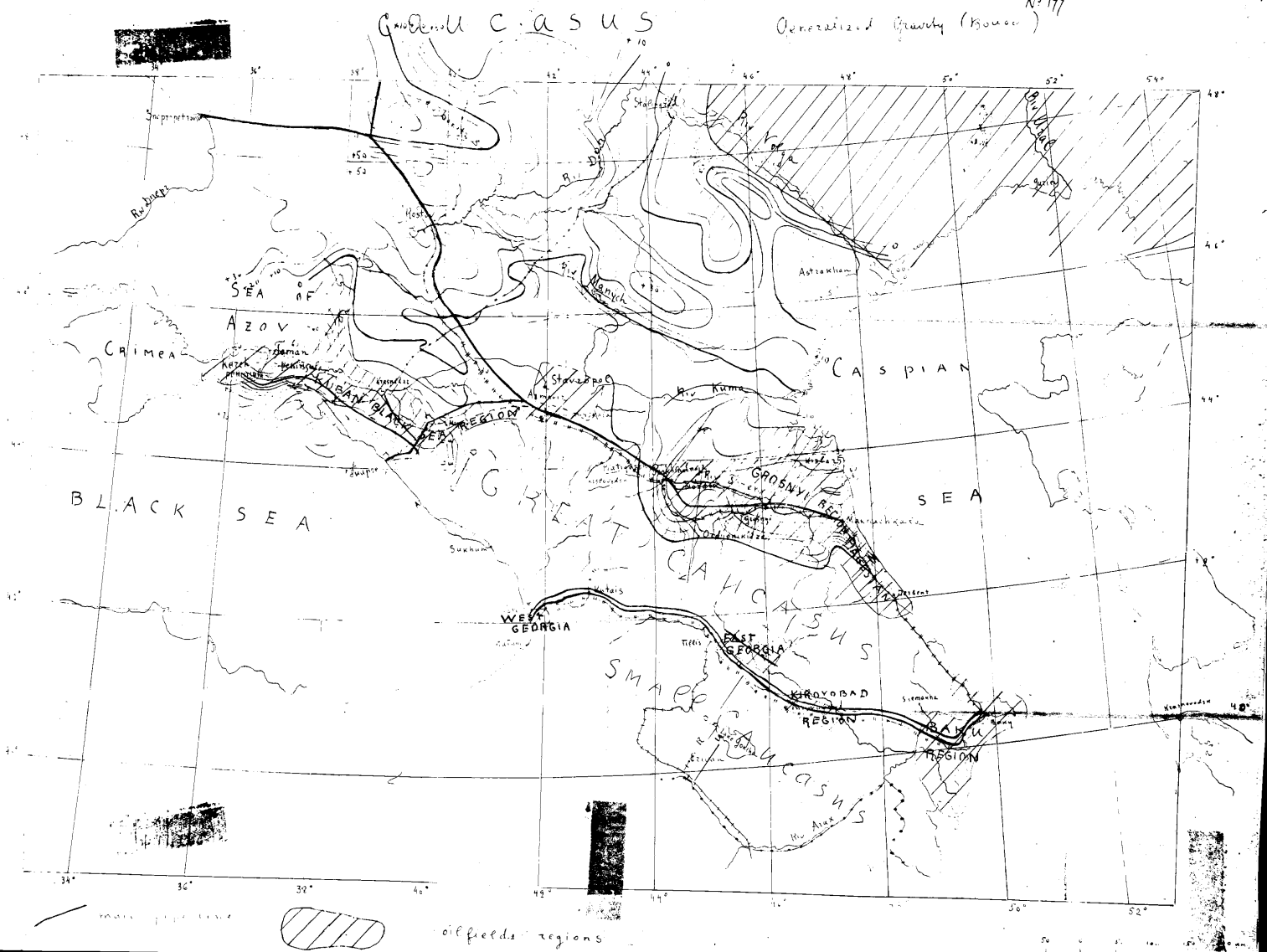


Diagram illustrating major Oscillations
 Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0
 Small Caucasus Great Caucasus

Nº 176

NE



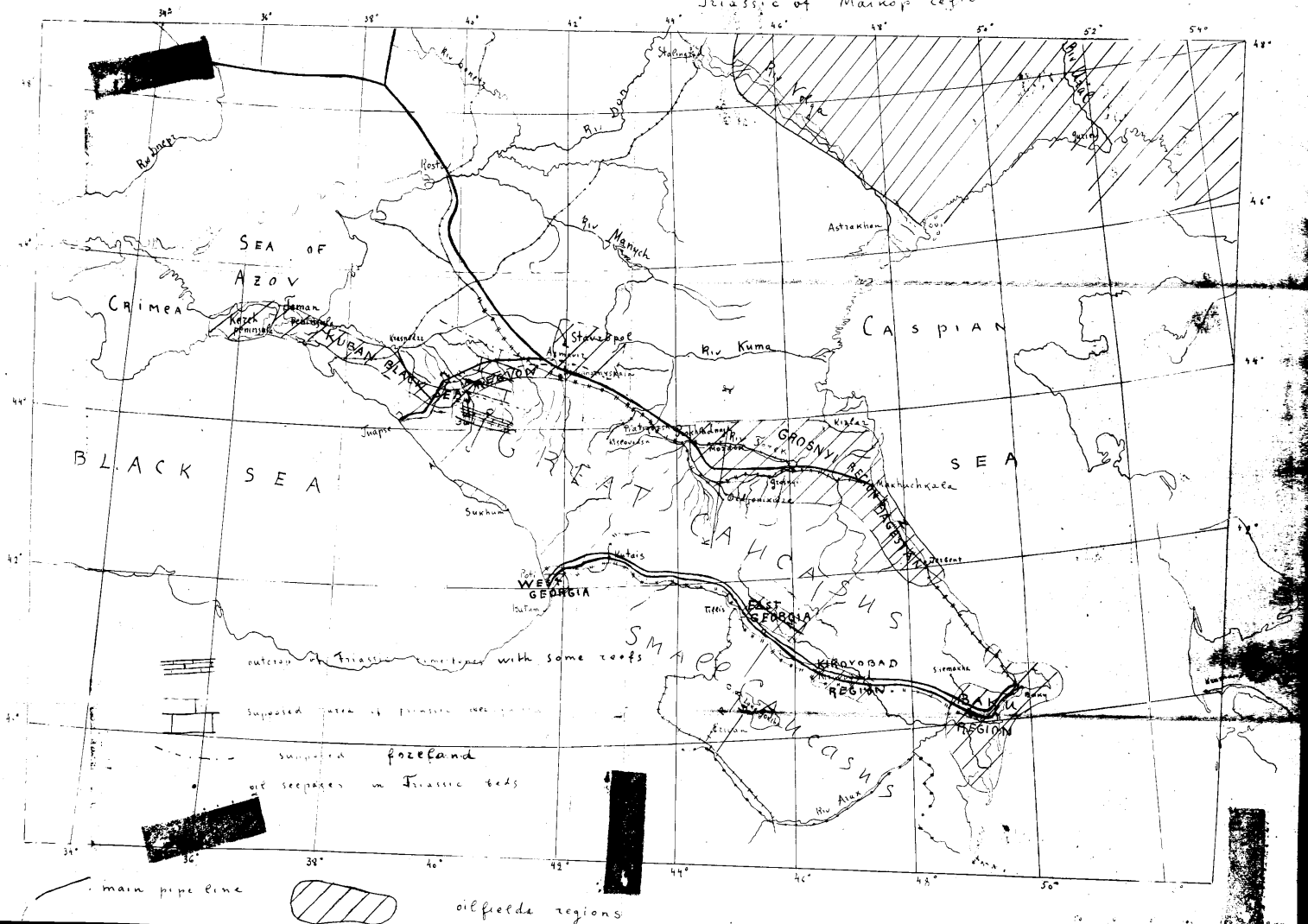


caucasus

Triassic of Manrop region

No 178

No 178



outcrop of Triassic limestone with some reefs

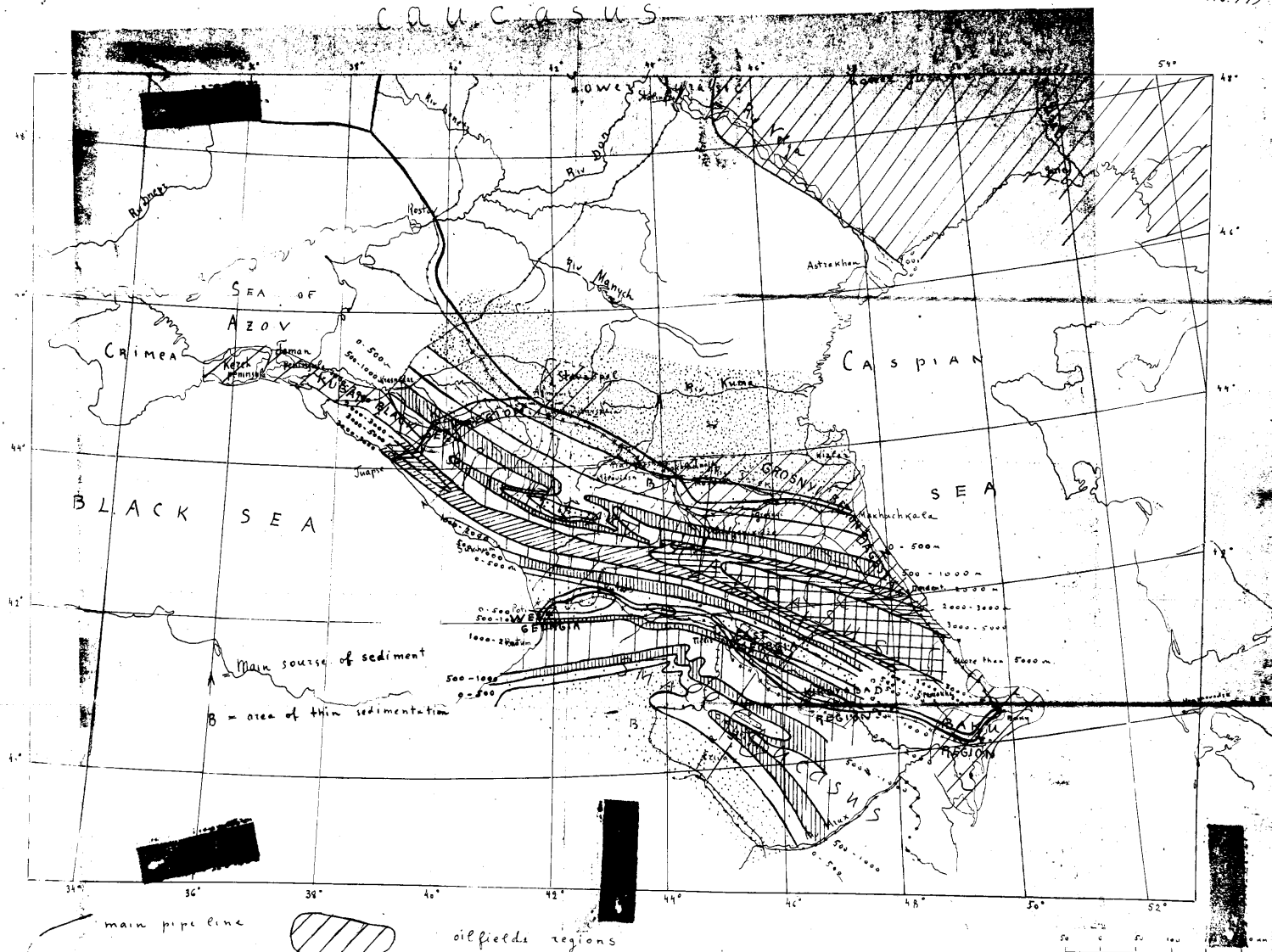
supposed area of primitive life

supposed foreland

oil seepages in Triassic beds

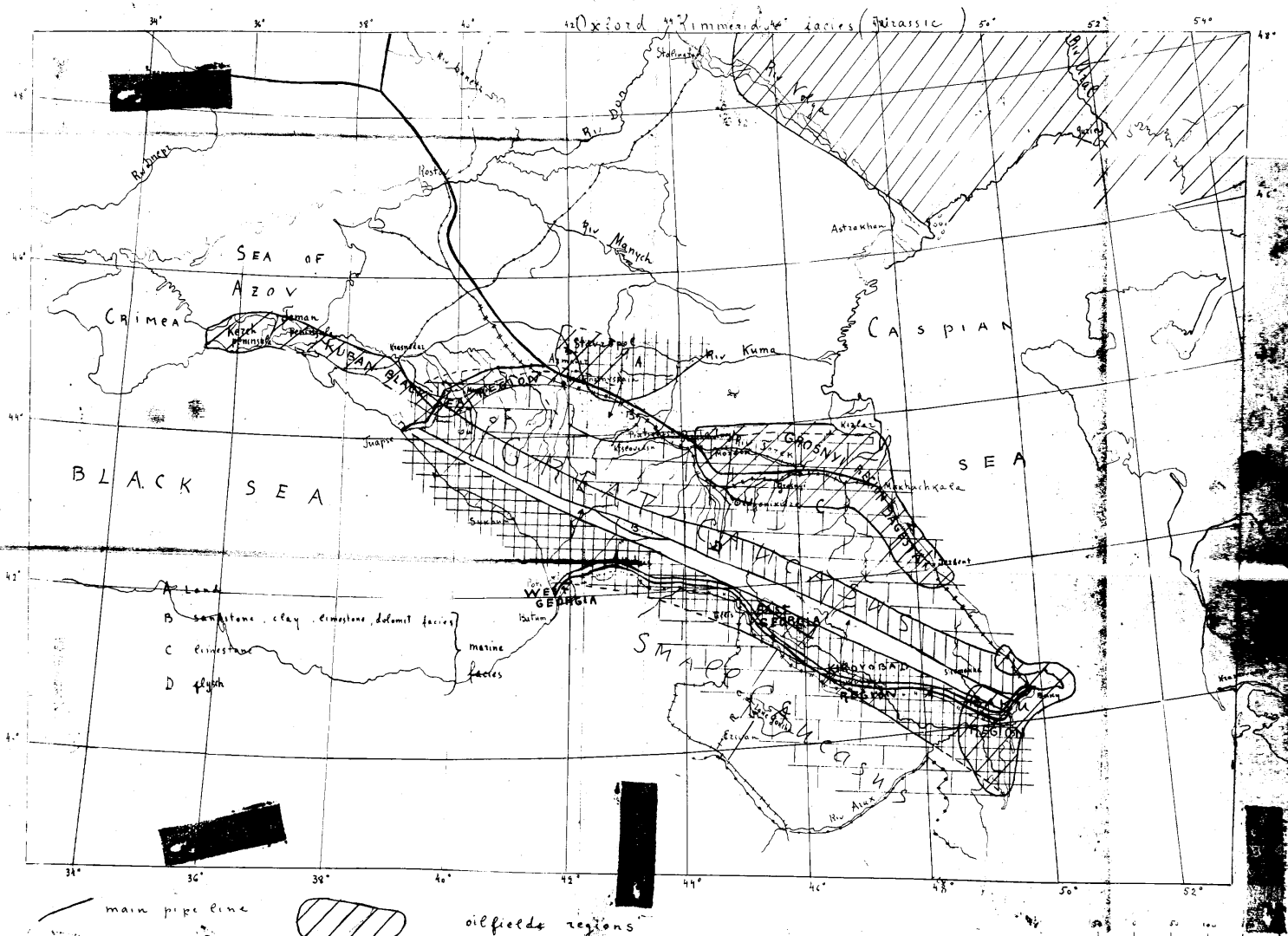
oilfields regions

caucus



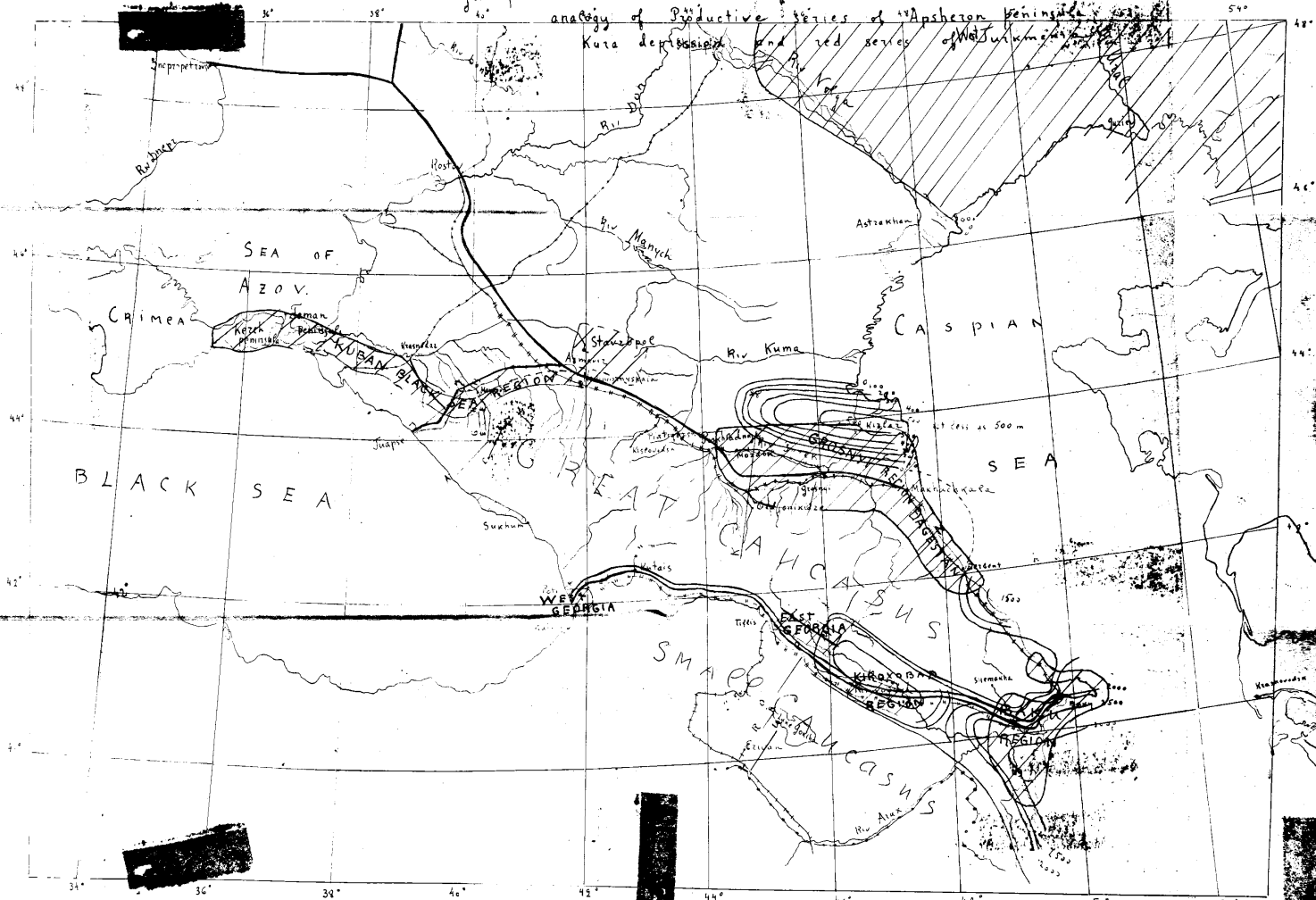
caucasus

No 180



oilfields regions

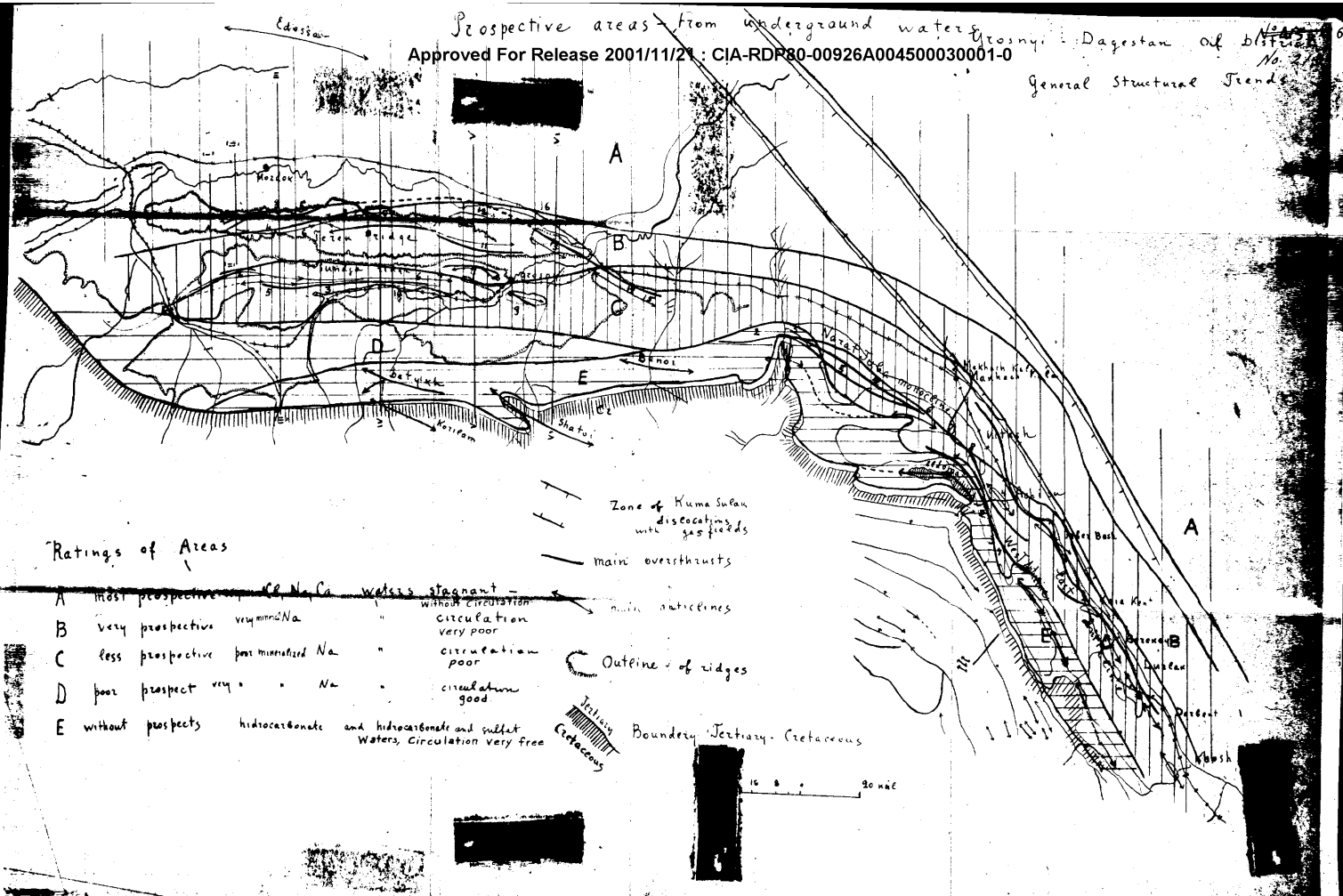
Grosnyi Productive series of Spiocan -
 analogy of Productive series of Apshezon Peninsula
 Kura depression and red series of West Caucasus



main pipeline

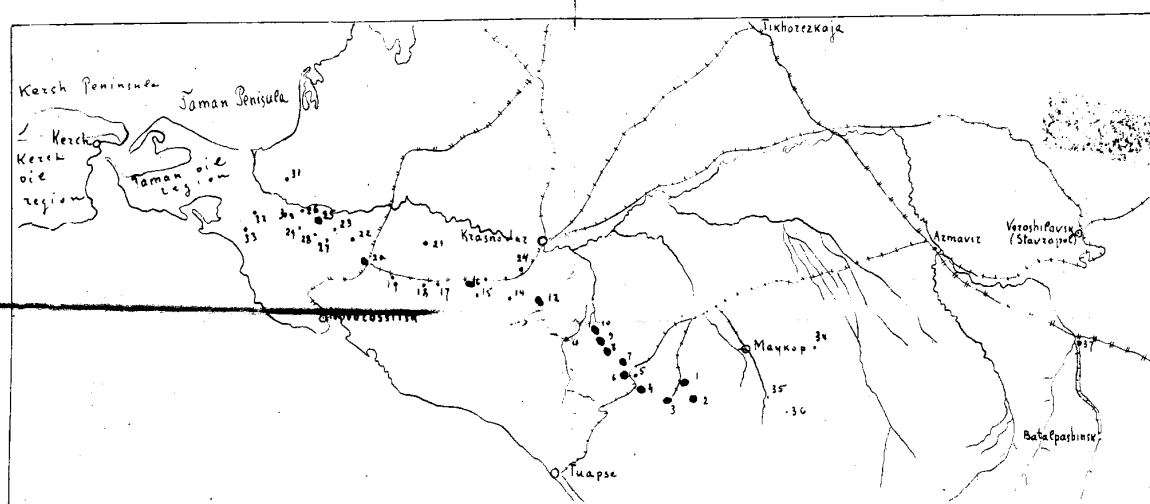
oilfield regions

0 100 200 300 400 500 600 700 800 900 1000

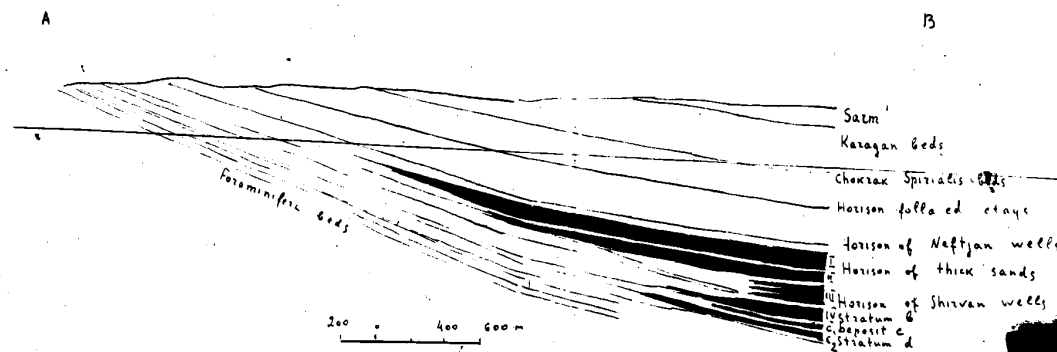
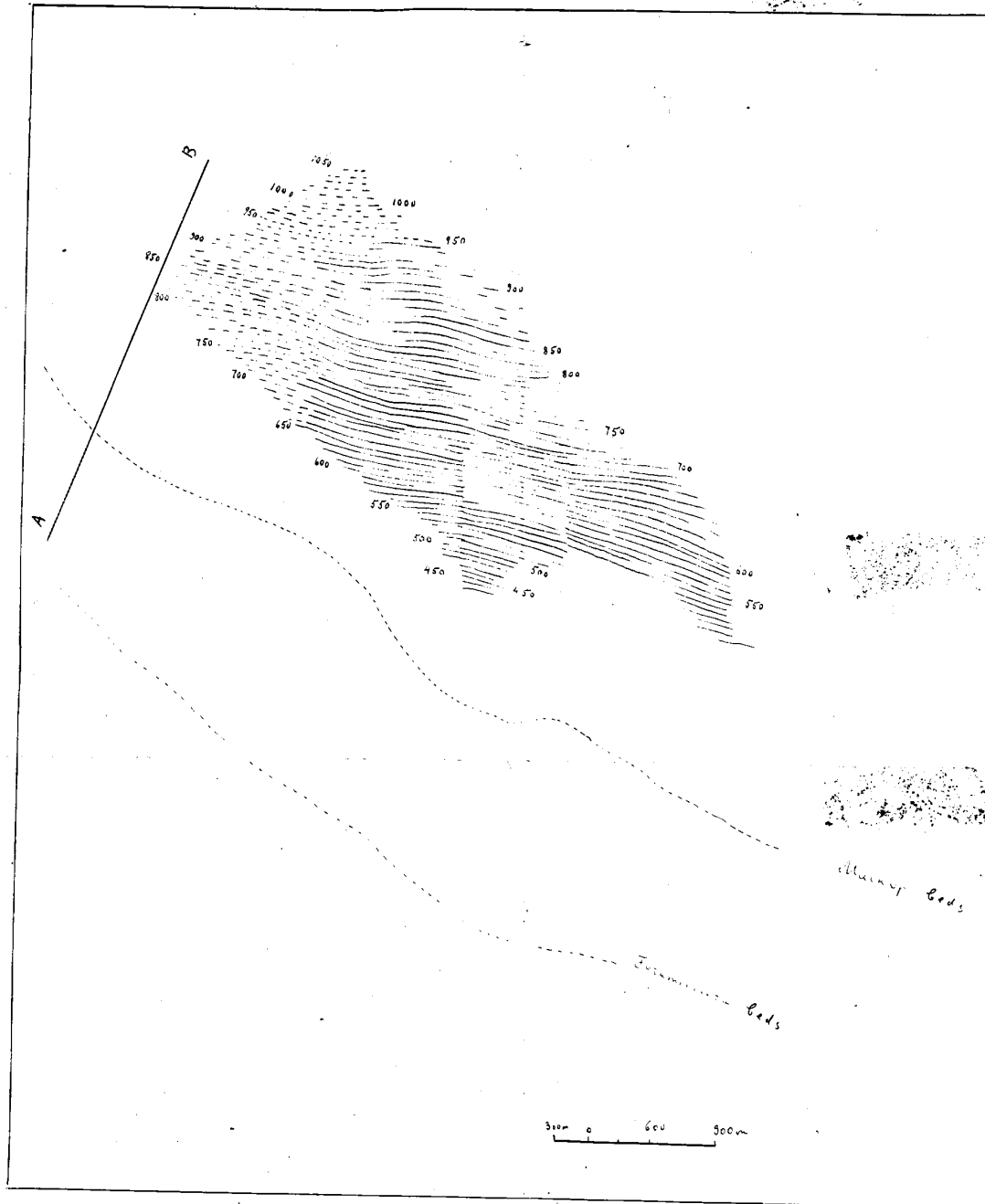


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Northwest Caucasus Oil District
(Kuban Black Sea)
(See regional map #171)



- | | | | |
|------------------------------|----------------------------|---|--------------------------|
| Nº 1 Apsheronskaja oil field | 10 Kutaiskaja oil field | 21 Mingrelskaja new prospect (far from mountains) | 32 Dzhanginskaja |
| 2 Shirvanskaja " | 11 Gouatchi Kluch prospect | 22 Kievskaia prospect | 33 Suvorovo Chernosskaja |
| 3 Neftjanaja " | 12 Kaluzhskaja oil field | 23 Kesslerovo " | 34 Jaroslavskaja |
| 4 Khodyzhenskaja " | 13 Stavropolskaja prospect | 24 Afonskaja " | 35 Abadzhenskaja |
| 5 Kabardinskaja | 14 Smolenskaja prospect | 25 Adykhun " | 36 Sokhranskaja |
| 6 Asphaet Mountain oil field | 15 Azovskaja | 26 Varenikov " | 37 Nevnomyskaja |
| 7 Shirokaja Baeka " | 16 Teskaja oil field | 27 Medovka | |
| 8 Shirokaja Baeka " | 17 Kholmenskaja prospect | 28 Glad | |
| 9 Shirokaja Baeka " | 18 Akhtyrskaja " | 29 Cherkesskaja | |
| | 19 Abinskaja " | 30 | |
| | 20 Krymskaja oil field | 31 Kurganskaja | |

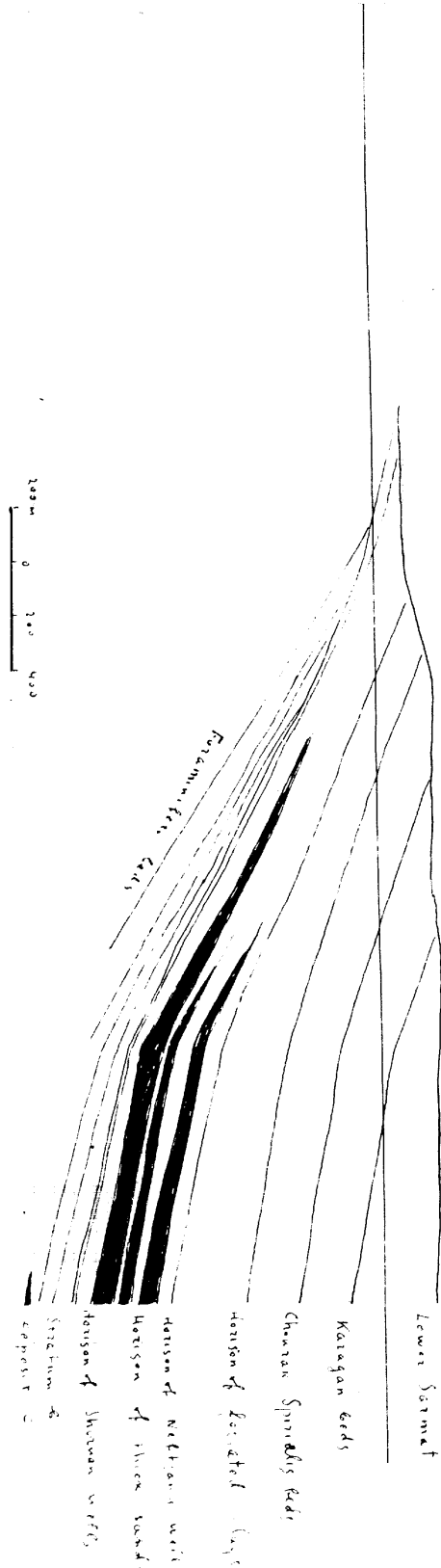


By K.A. Prokopov.

Rhodyzhenski oie field (N° 4)

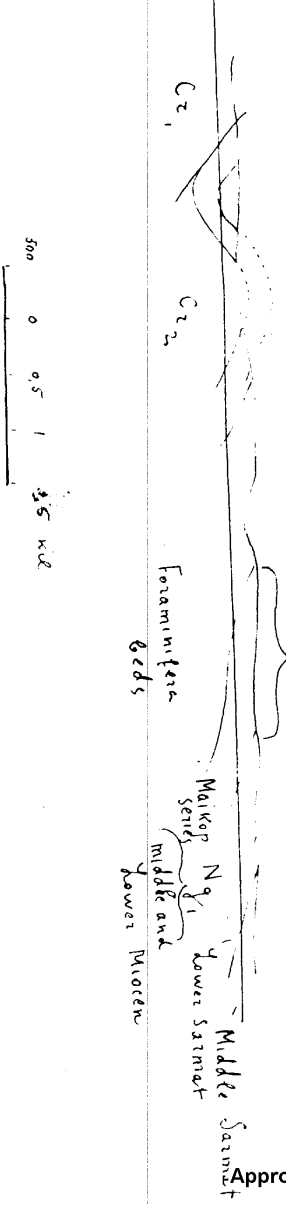
SW

NE



SW

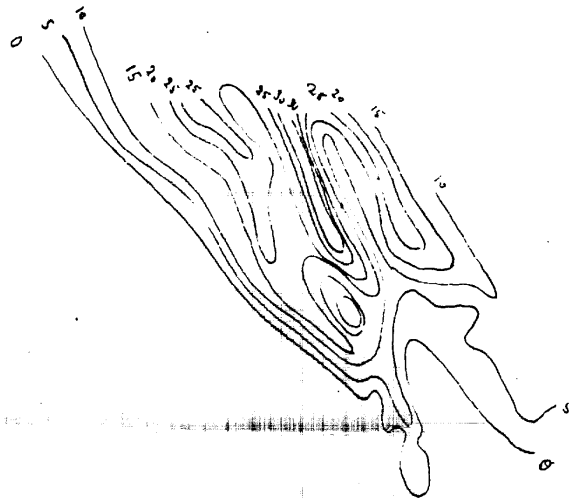
NE



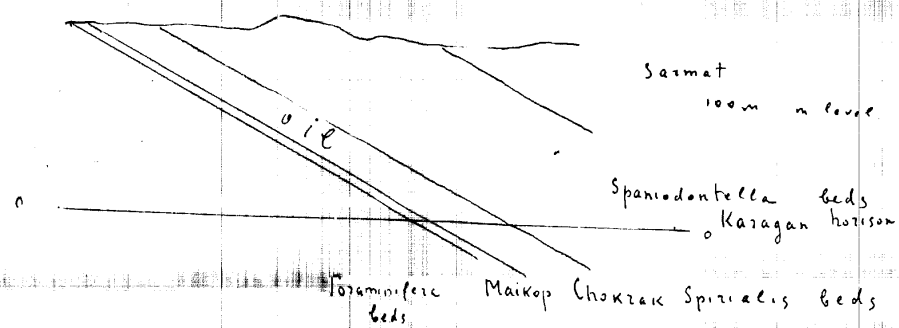
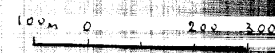
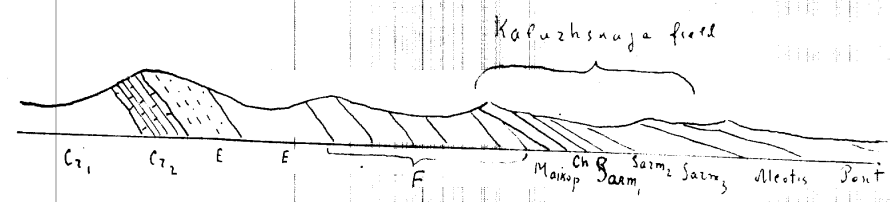
By KA Rokopov

N:217

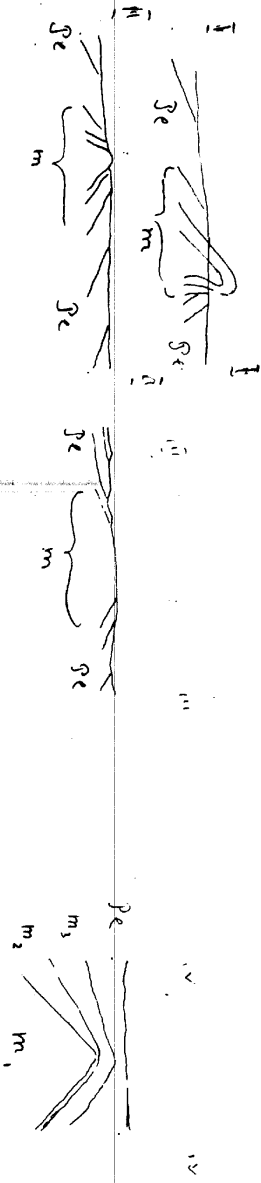
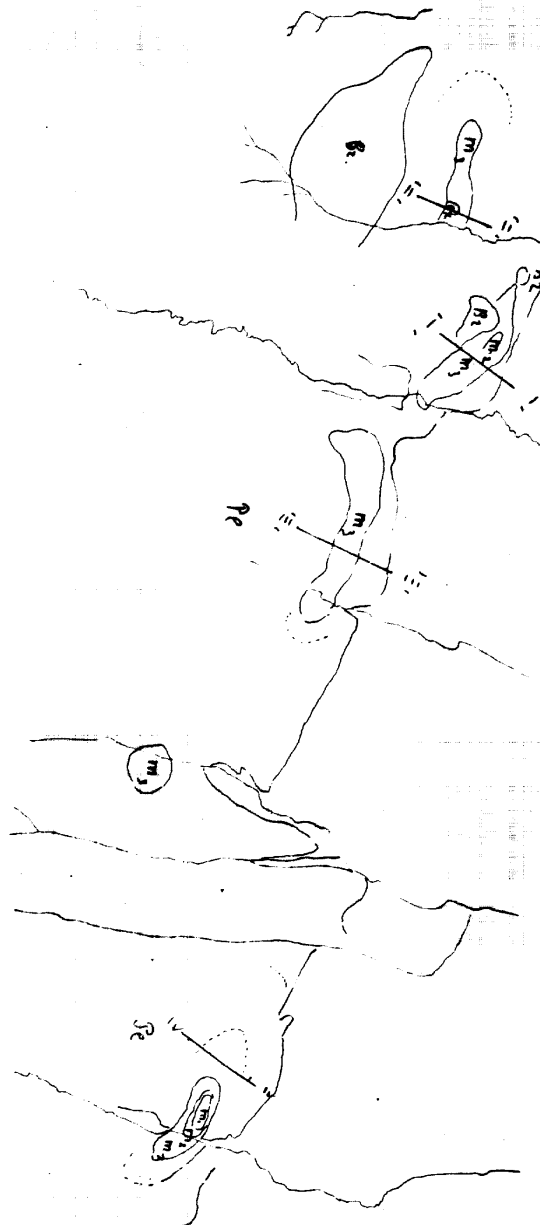
oil field



equal thicknesses of deposit "C₂"



Keslerovo Vazemkov ore fields (N^o 27, 28)

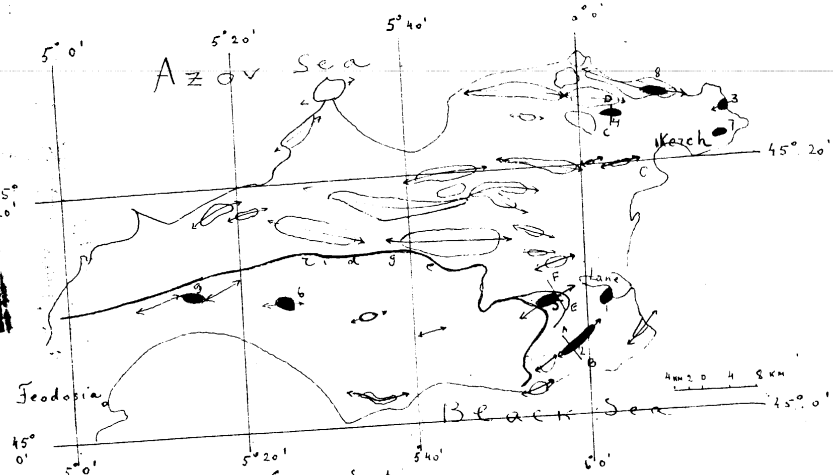


200 0 600 m

N:219

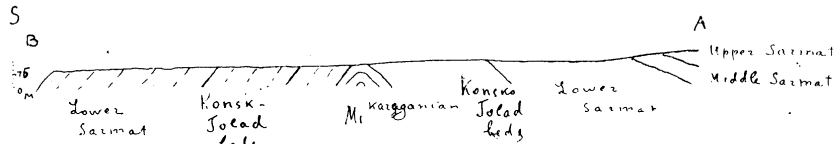
Kerch Peninsula

Nº 220a

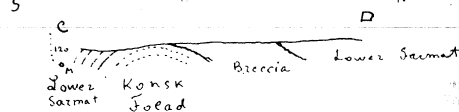


- | | |
|-----------------------------|-----------|
| 1 Chongeleek | oil field |
| 2 Chozeeek | oil field |
| 3 Bozgovka (Shirokaja Baem) | |
| 4 Malaja Balchinsk | oil field |
| 5 Kop Kochegensk | oil field |
| 6 Kerlent | oil field |
| 7 Majak | oil field |
| 8 Tarnhan | oil field |
| 9 Armaedi | oil field |
| 10 Kerlent | prospect |

Cross Section
Chozeeek anticline Nº2



Mafigtoobichinsk anticline Nº4



Kop Kochegen Nº5



$\sqrt{-221}$

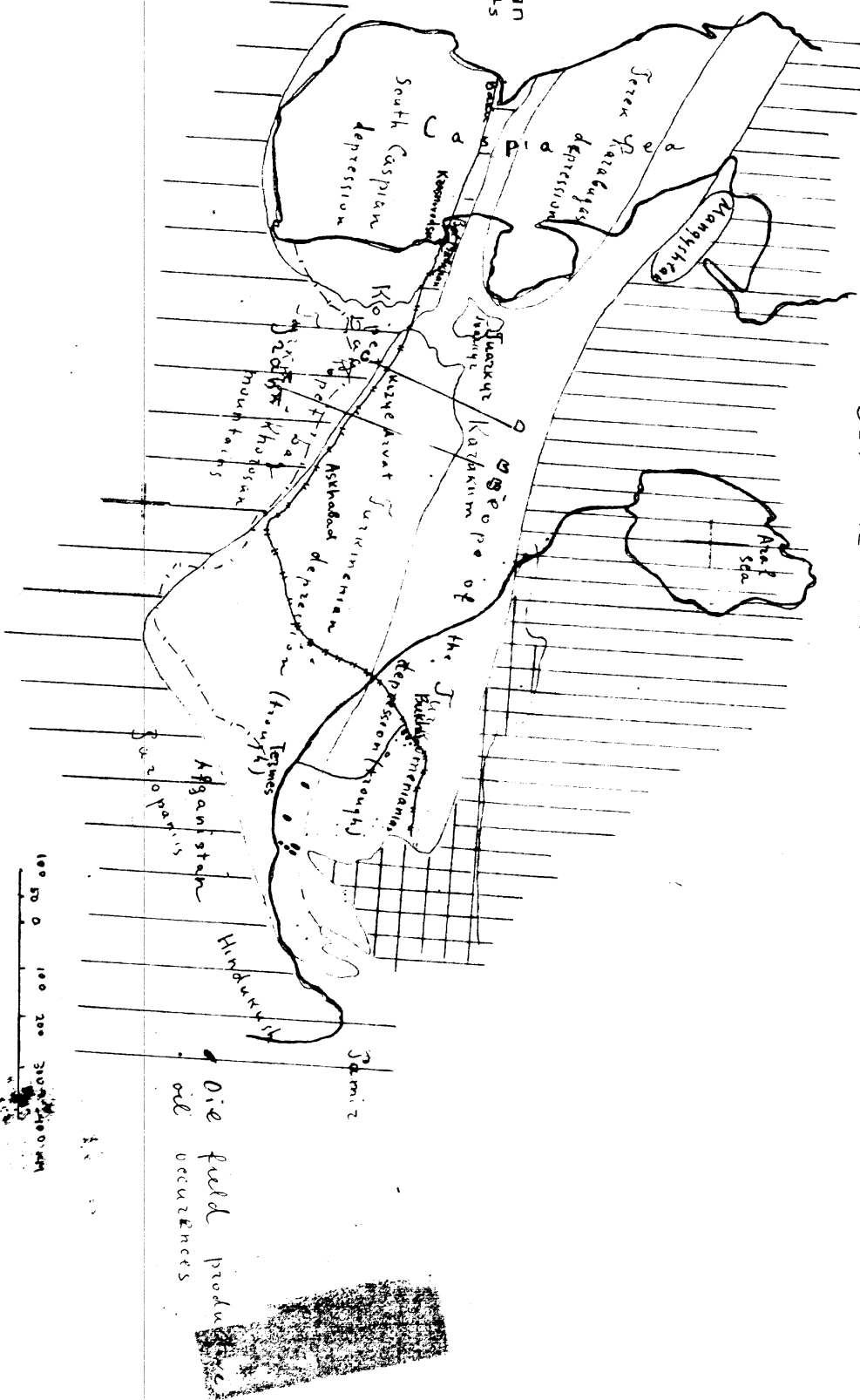


Alpine
Folded Zone

Tian Shan
Hercynian folding
on the surface

Tian Shan Hercynian
covered by deposits
in Low Land

GENERAL STRUCTURE



TURKMENIA

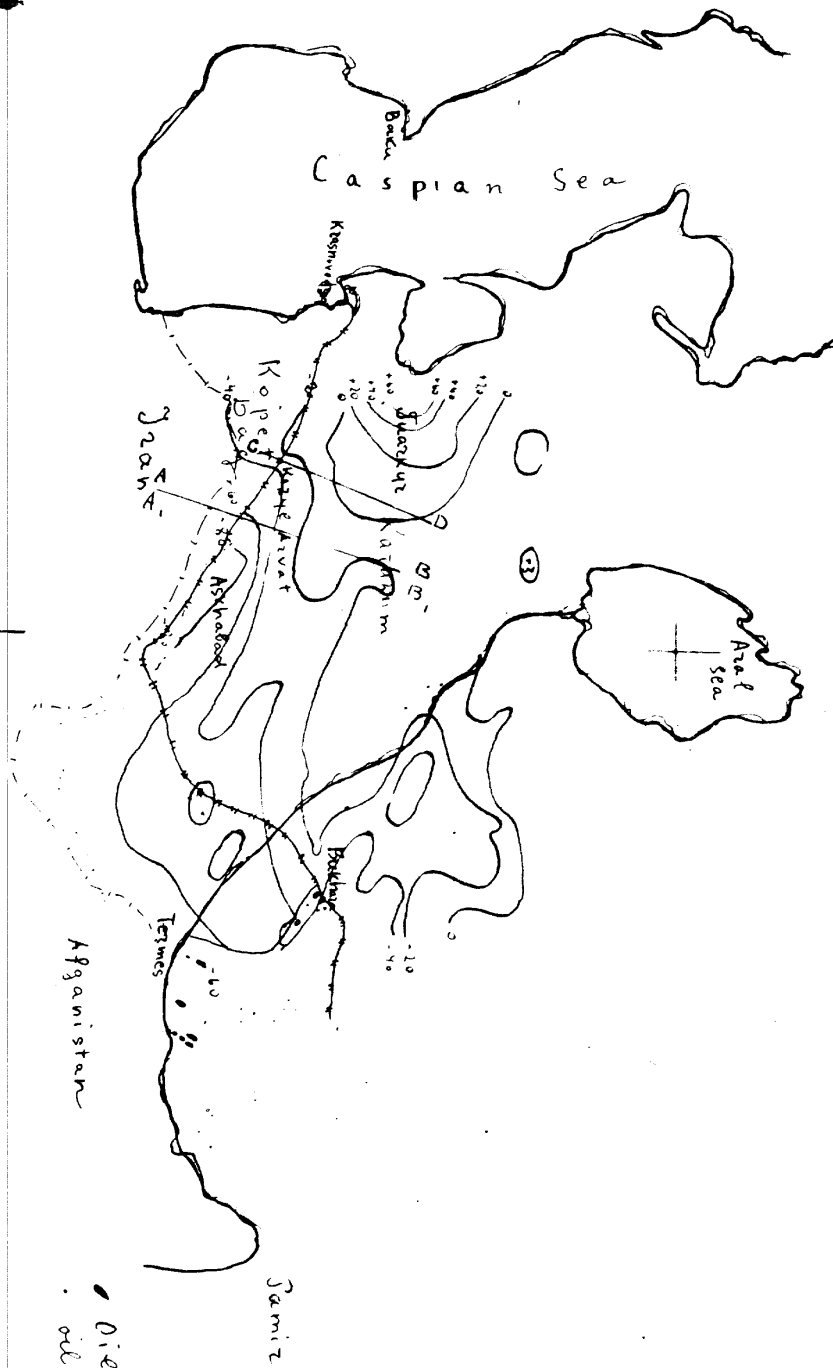
No. 222

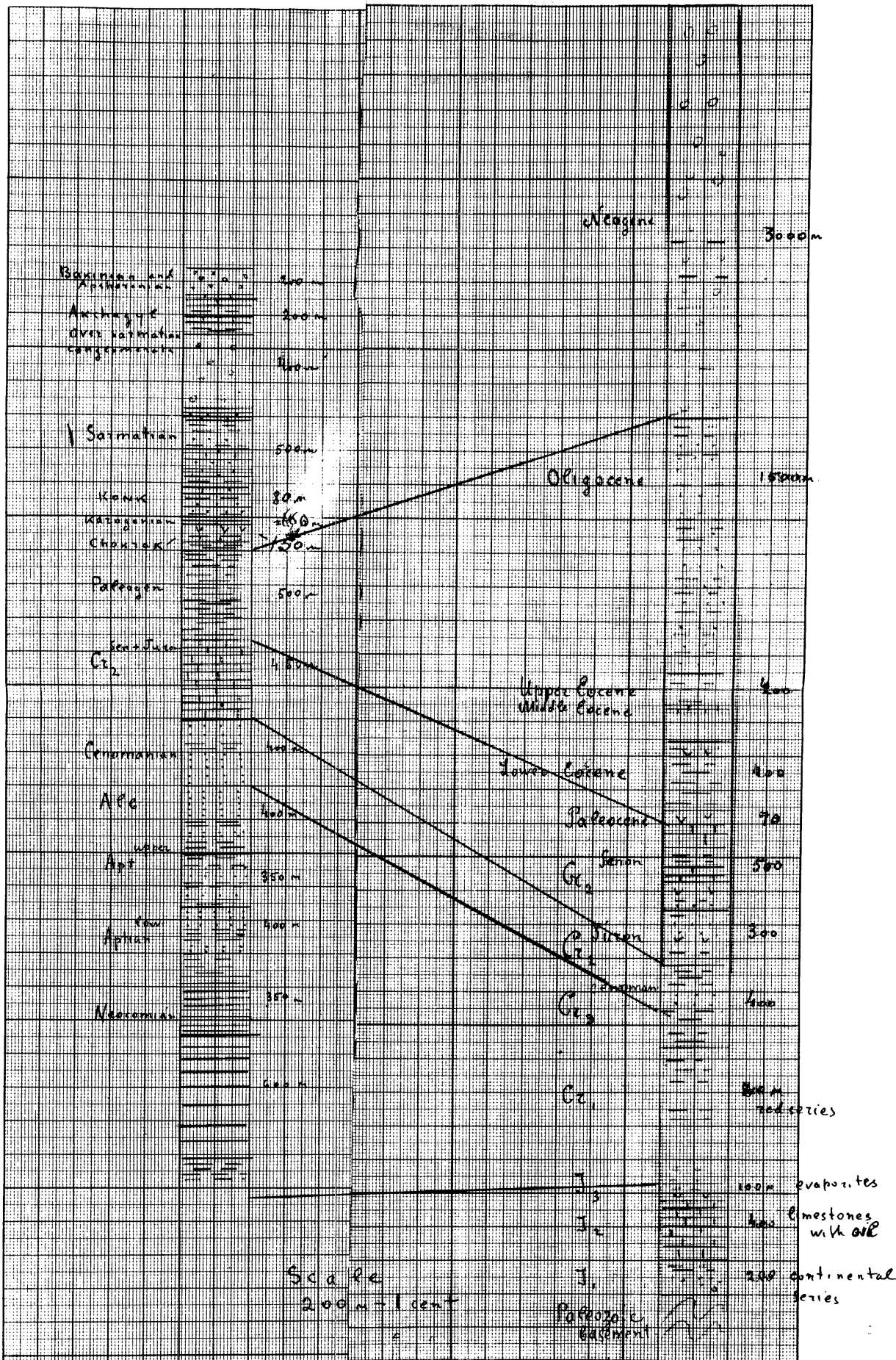
Technical

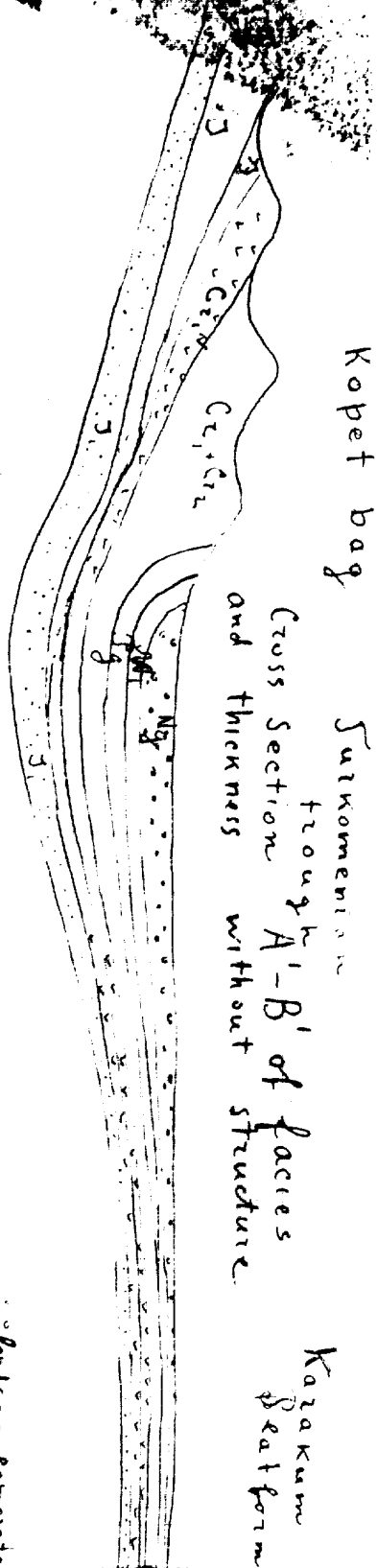
General activity

N-223

N-223
No 223







Kopet bag

Sukromenian

Cross Section through A-B' of facies and thickness without structure

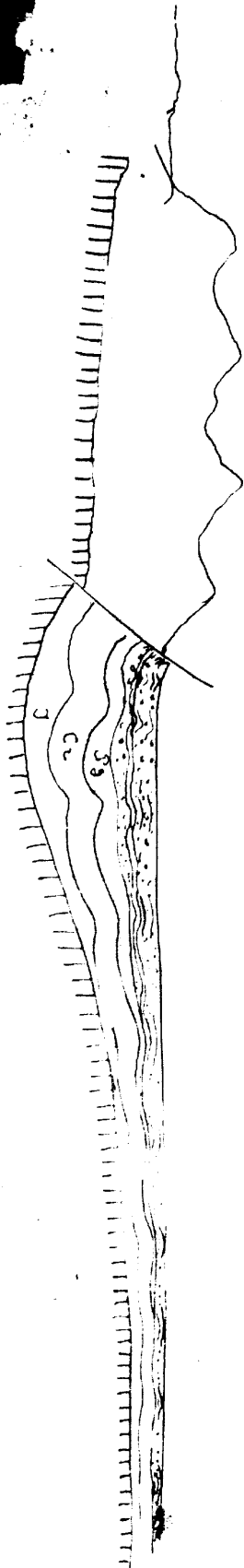
Kazakum
Beatform

- sand conglomerate
- evaporite
- continental

Nº 25

Consolidate and
series of Neocene
Hercinian ^{folded} basement

100 0 10 20 30 40 km



Juzkomanian
mountain

Kopet
Dag

Juzkomanian
trough

Karakum
platform

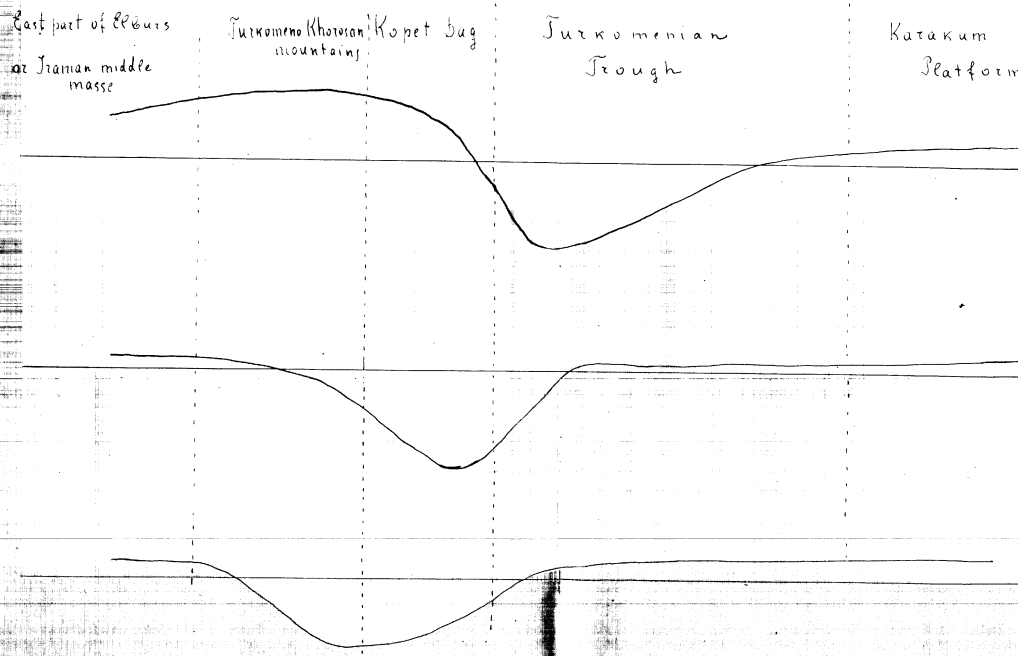
N

Cross section A-B
across Juzkomanian trough

Nº 226

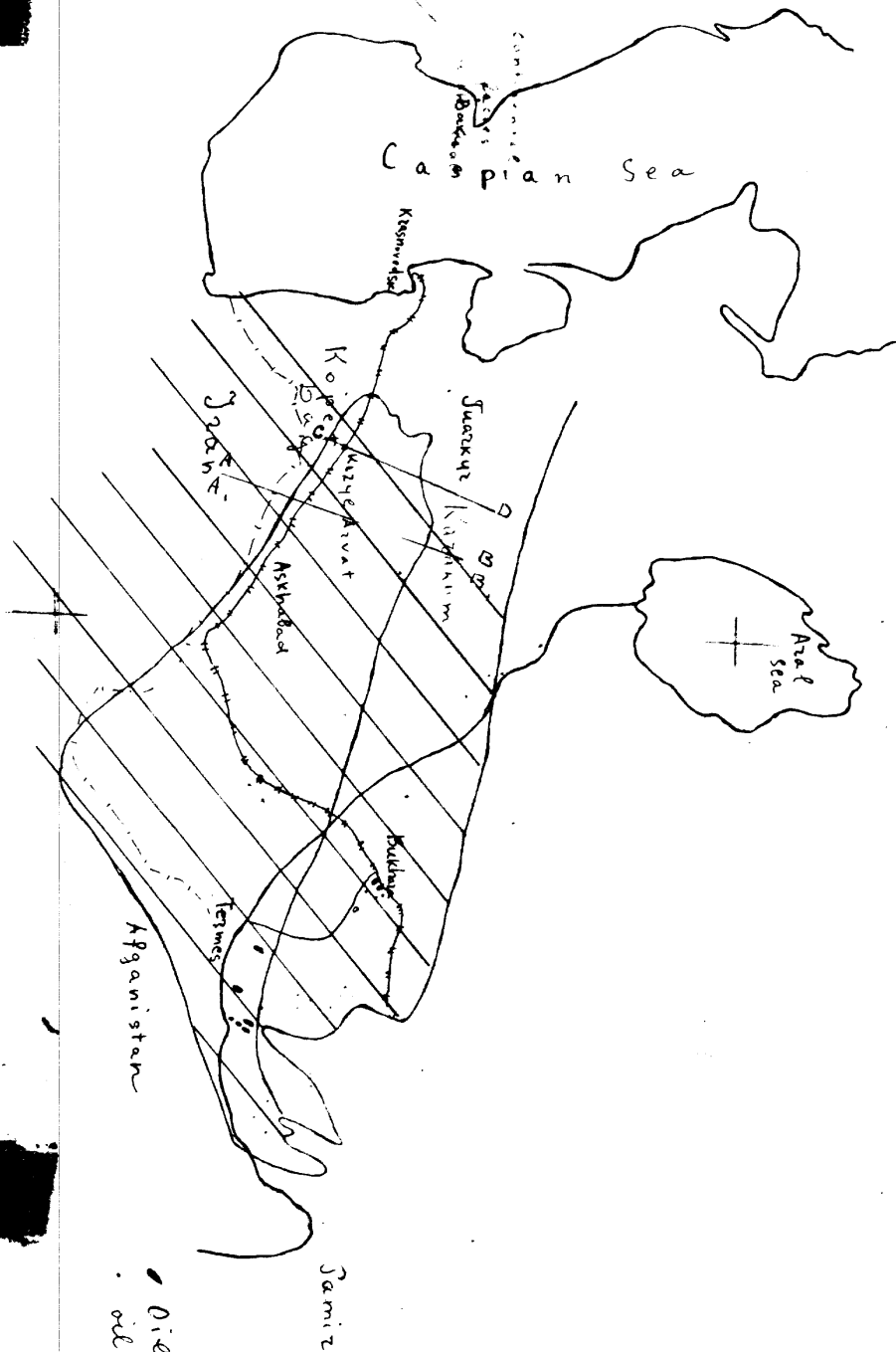
Turkmen
Oscillation Diagram

ILLEGIB



25X1A

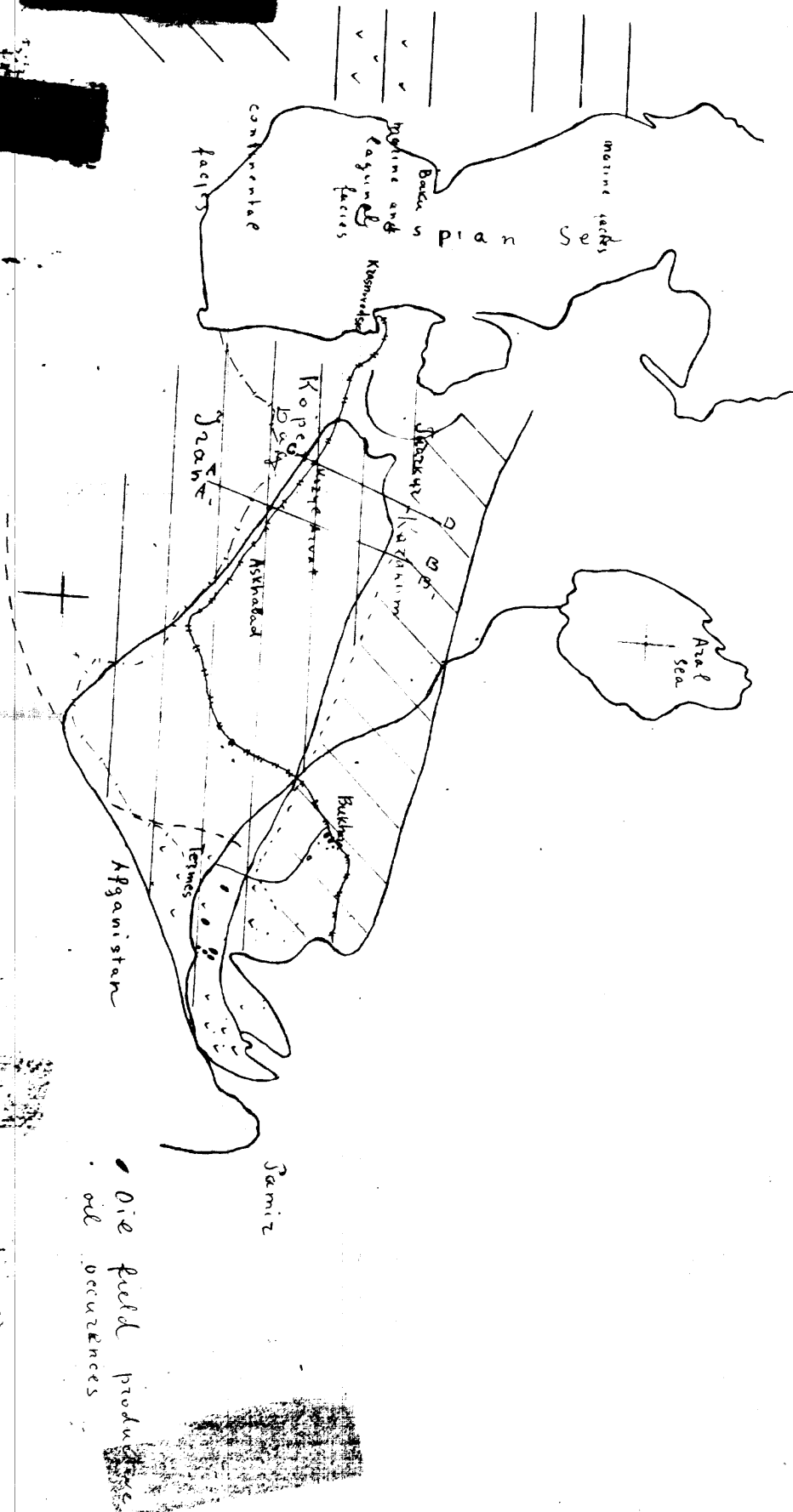
Vertical File



Lower Jurassic facies

No. 228

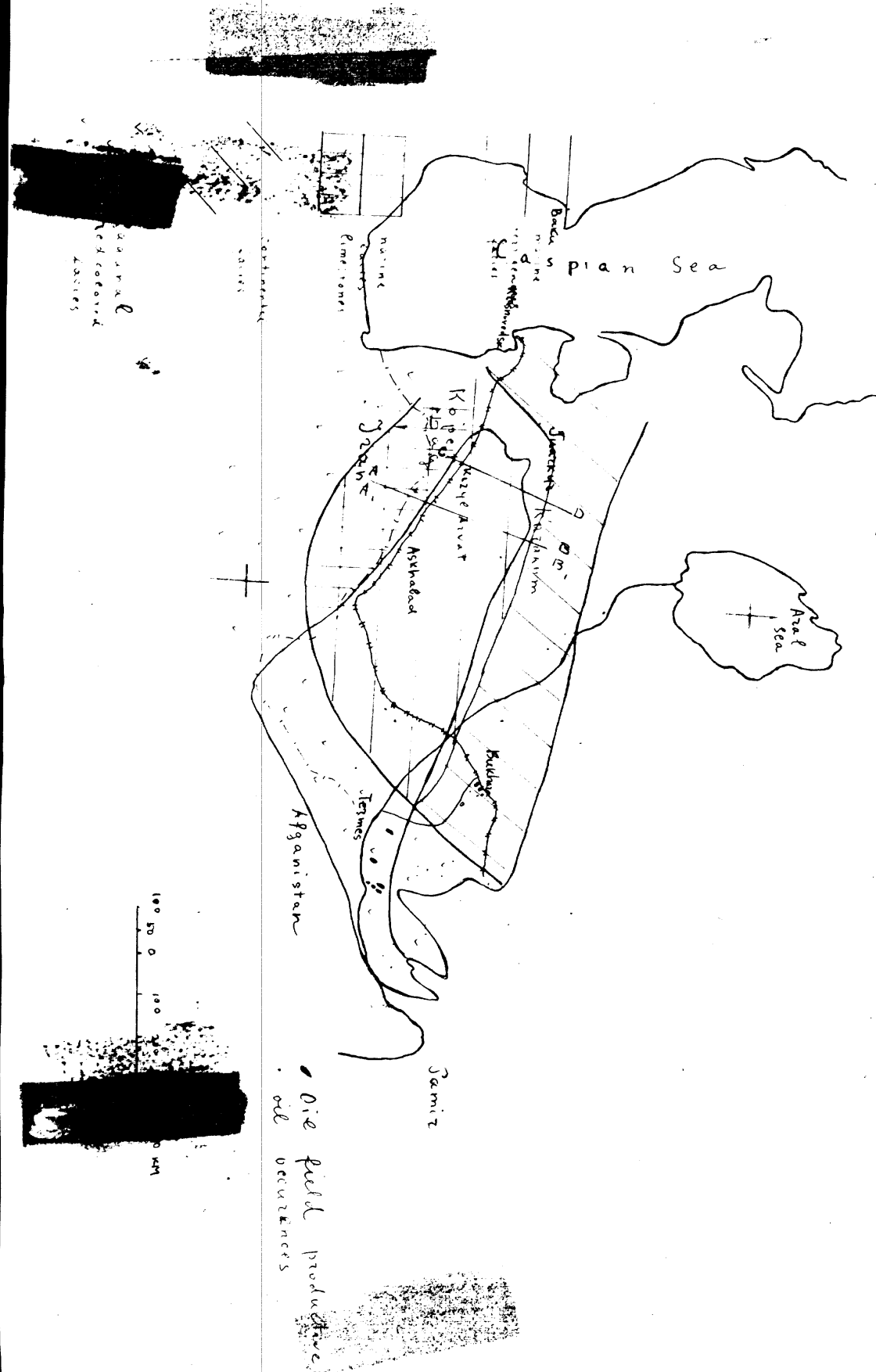
No. 228



Geological map of the Caspian Sea region

Nº 229

Nº 229
No. 229



SECRET

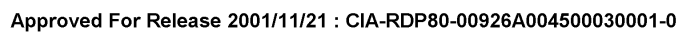
Casualties

W-230

No. 230
W-230

$\text{Apt} + \text{H}_2\text{O} + \text{Cementum facies}$

~~152231~~



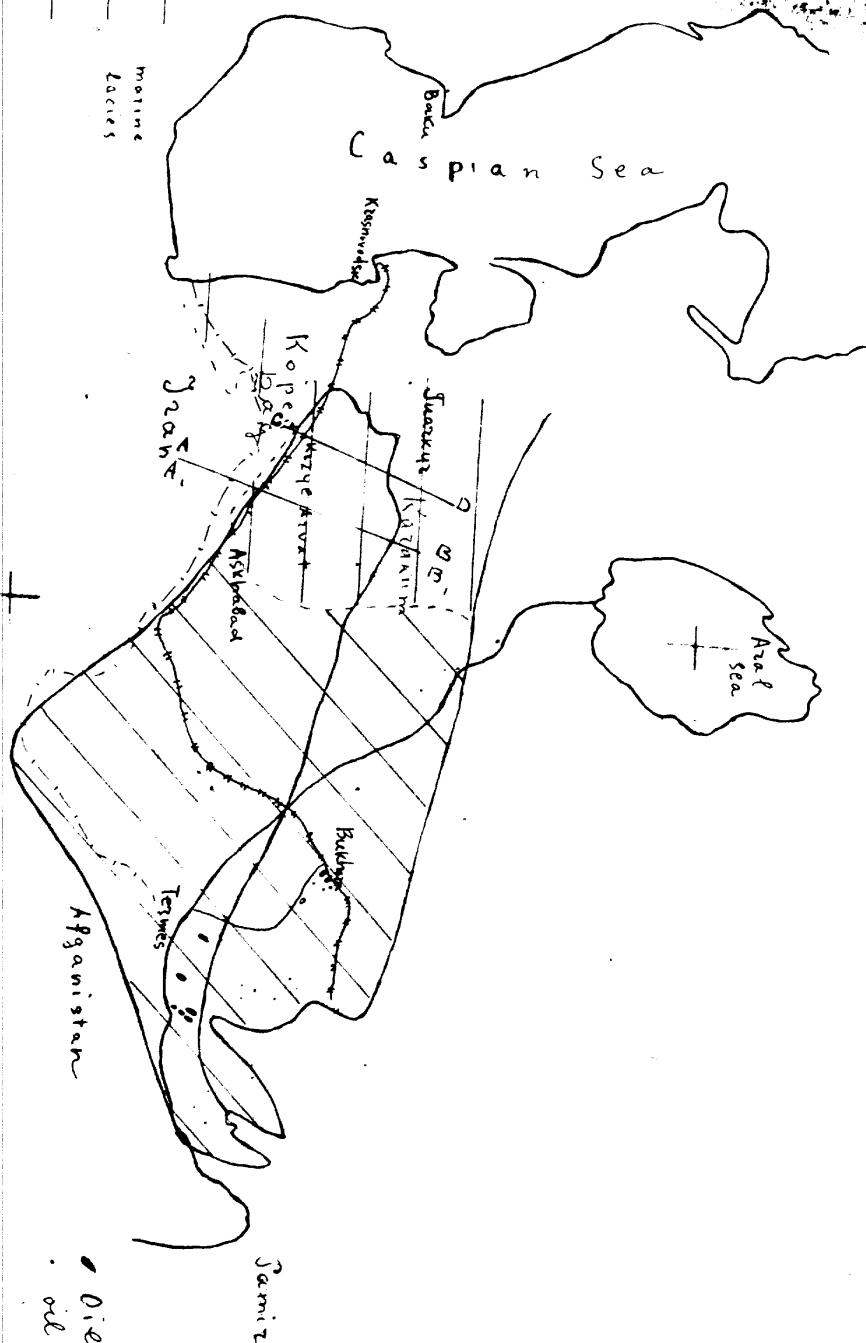
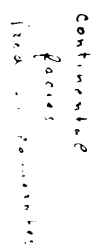


Marked in red

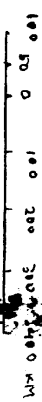
~~7-233~~

~~No. 221~~
No. 233

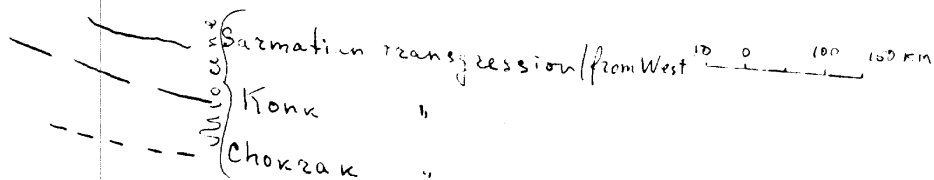
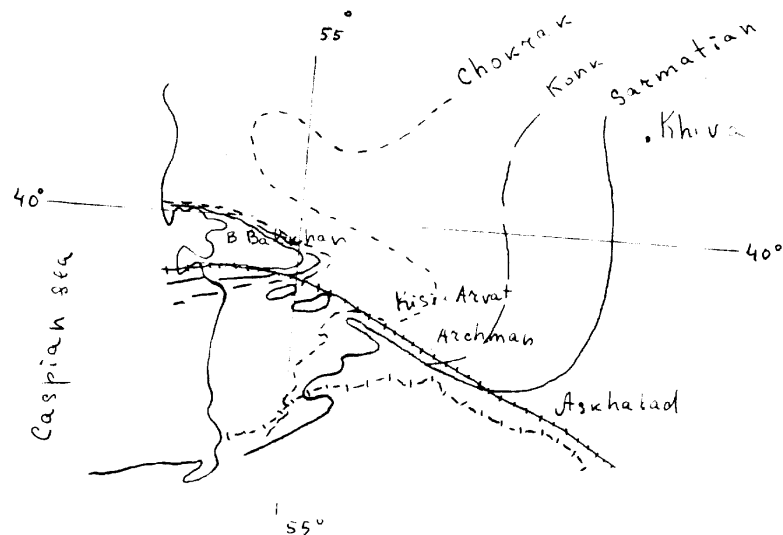
Blumen facies



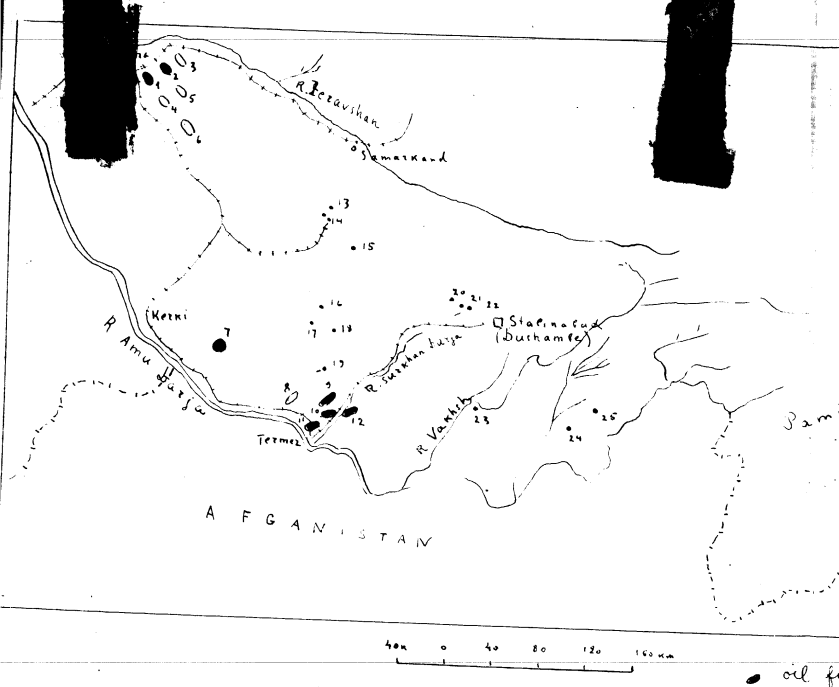
Die field pr
oil occurrences



Boundaries of Miocene Transgression N^o 234



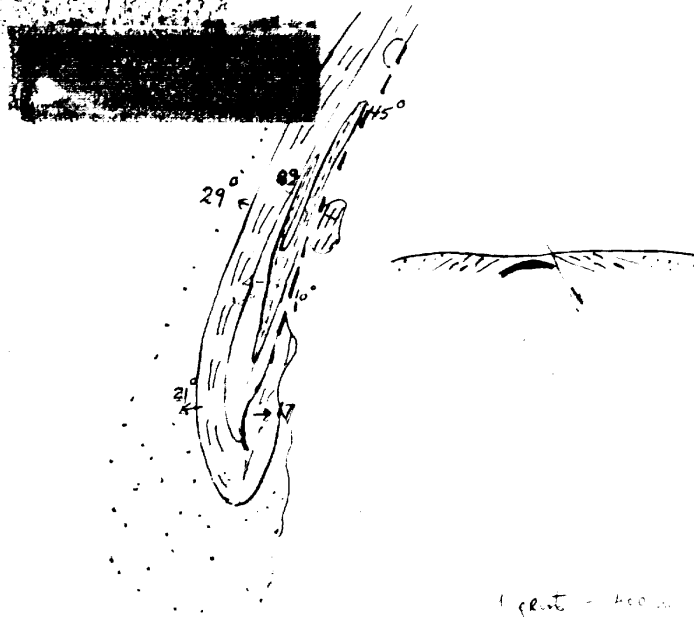
East Part of Turkomanian Trough



ENTIAL
ALS ON

1. Proletariat
2. Kodjab
3. Karakum
4. Karakum
5. Mama Qayum
6. Sazytaga
7. Gaurdag
8. Kervan
9. Khazidak
10. Gjaenurgan
11. Uchkizil (Termez)
12. Komaity
13. Kital
14. Shakhripas
15. Shurassak
16. Mochai
17. berent
18. Baisun
19. Shikazlyk astan
20. Karafay
21. Bagmuyez
22. Khochilino
23. Kuzgan tuba
24. Kuzgan
25. Muzgan

ILLEGIB

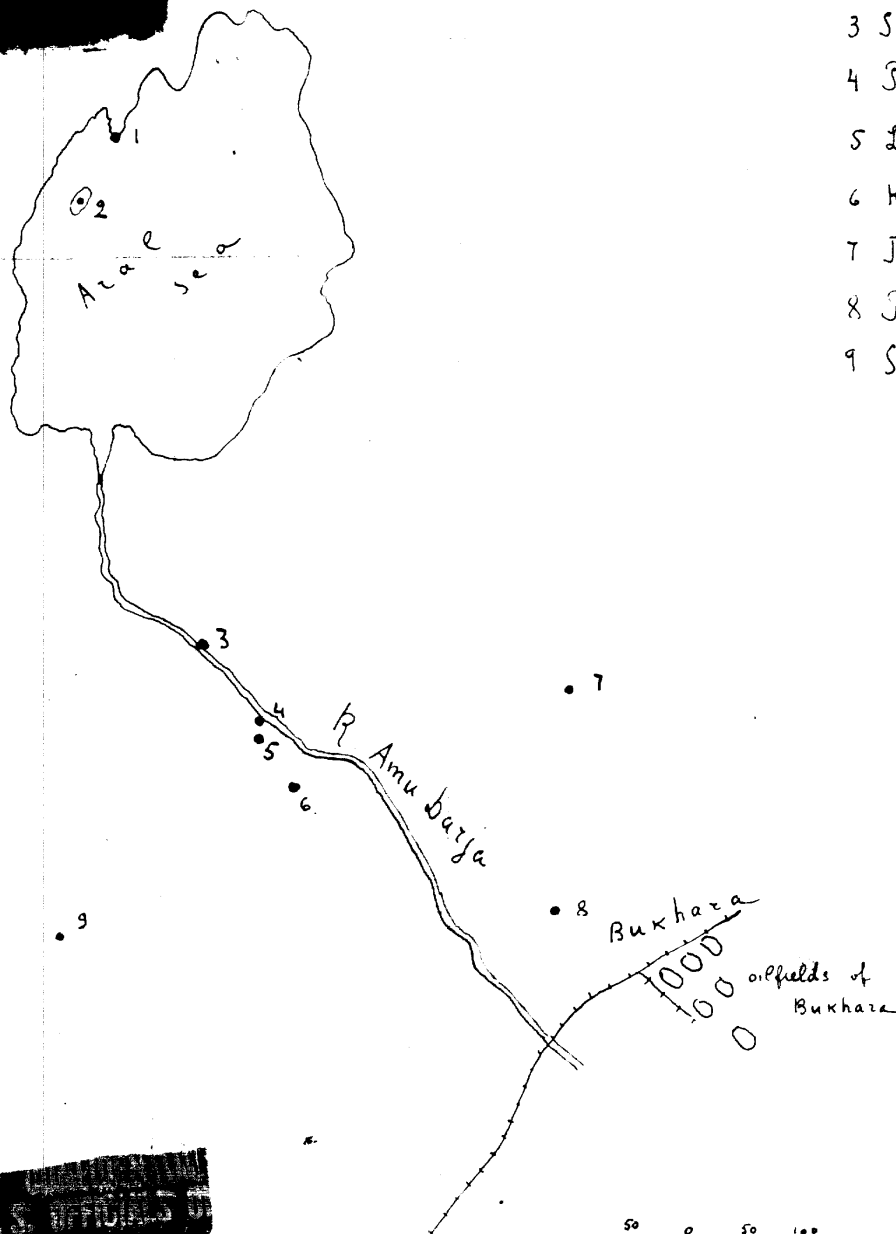


∴ Oligocen sandy
== Oligocen clayly
middle and upper Eocen
— lower Eocen

North slope of Turkomanianian Trough Oil seepage's №237

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- 1 Kulandy
- 2 Island Vozrozhdenia
- 3 Sultan ur dag
- 4 Pitnjars
- 5 Lane Sultan Sandjar
- 6 Kasha bulak
- 7 Tajdy
- 8 Tajdy
- 9 Sernye bugzi

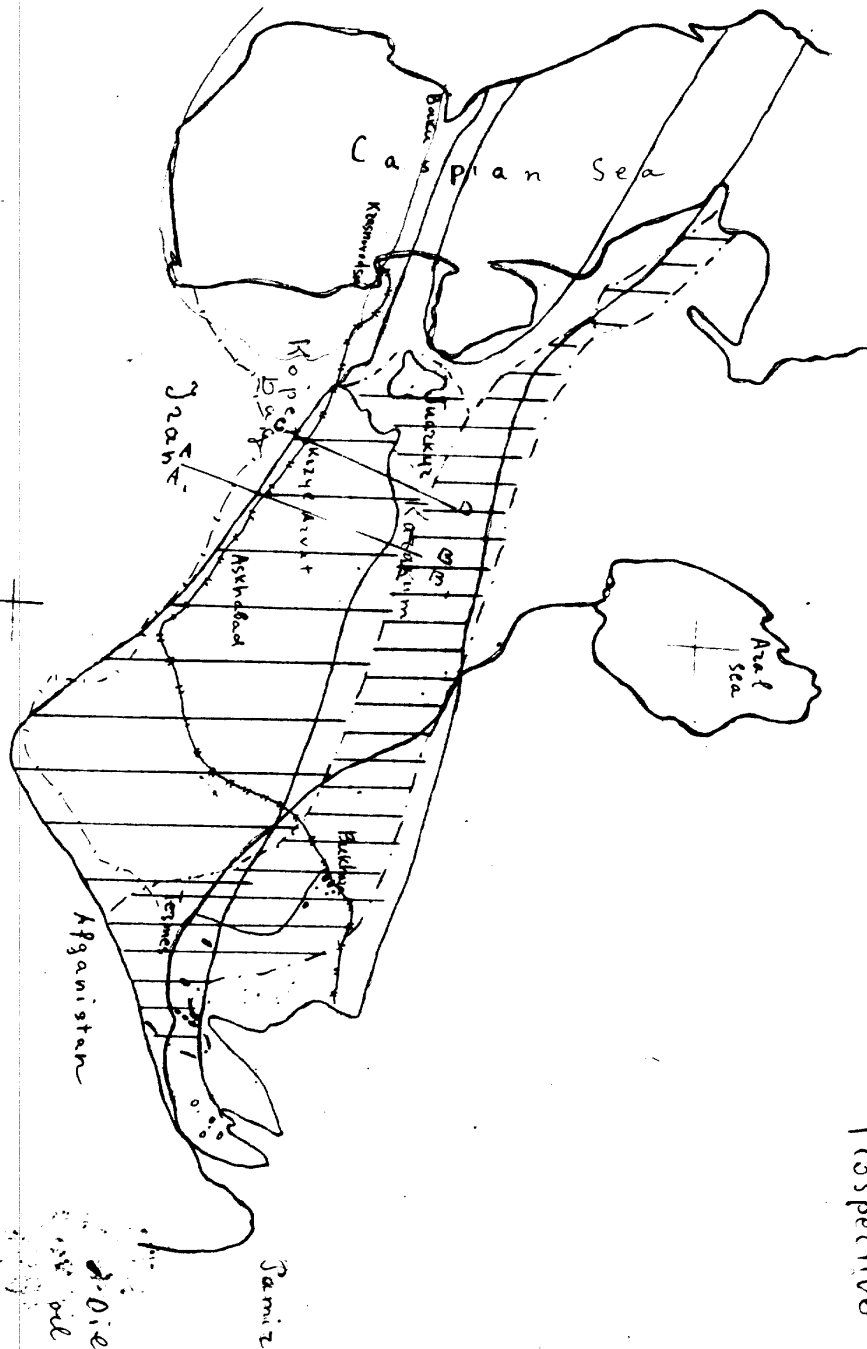


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Turkomania

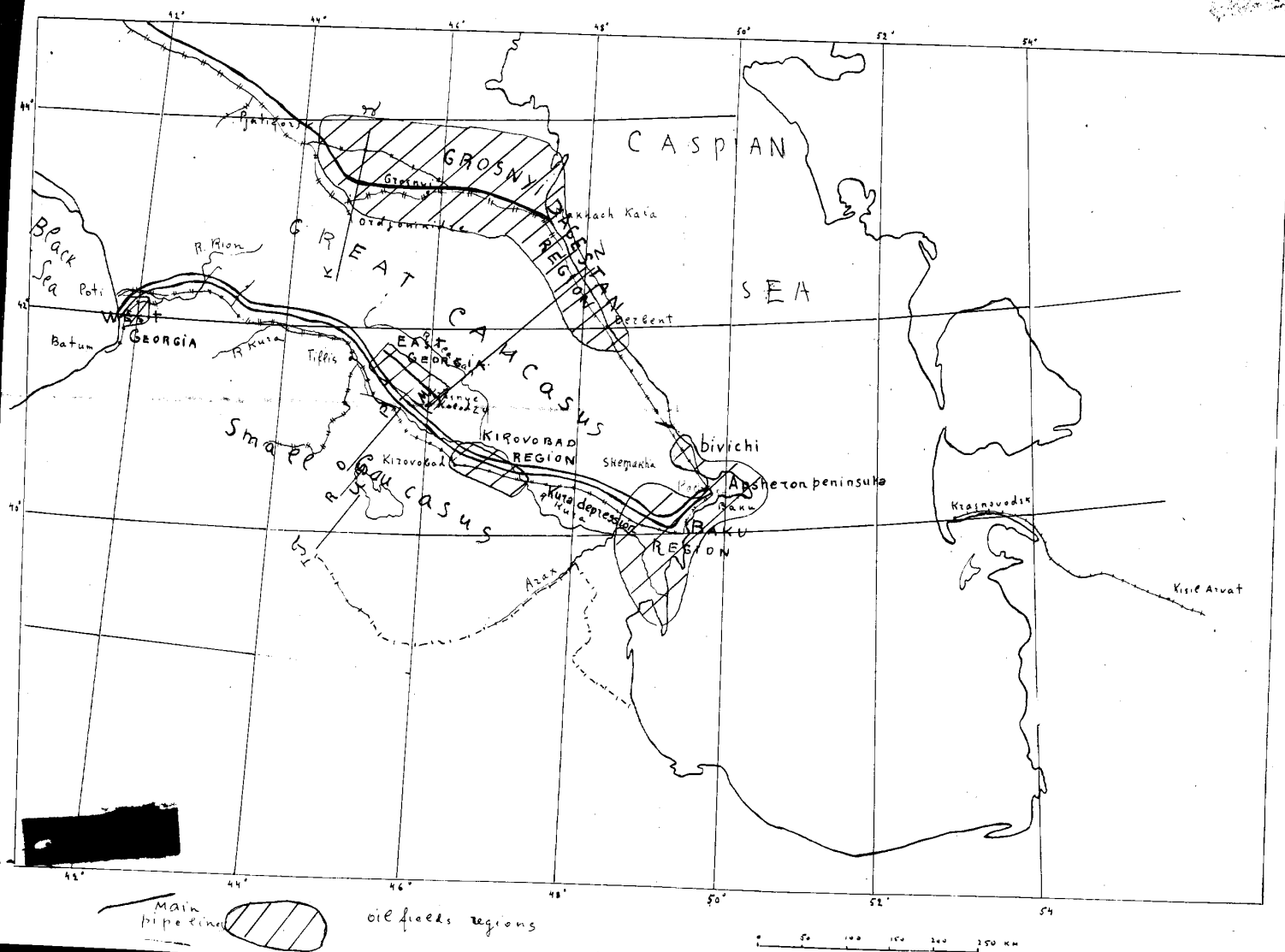
Prospective area of Turkomania

No. 238

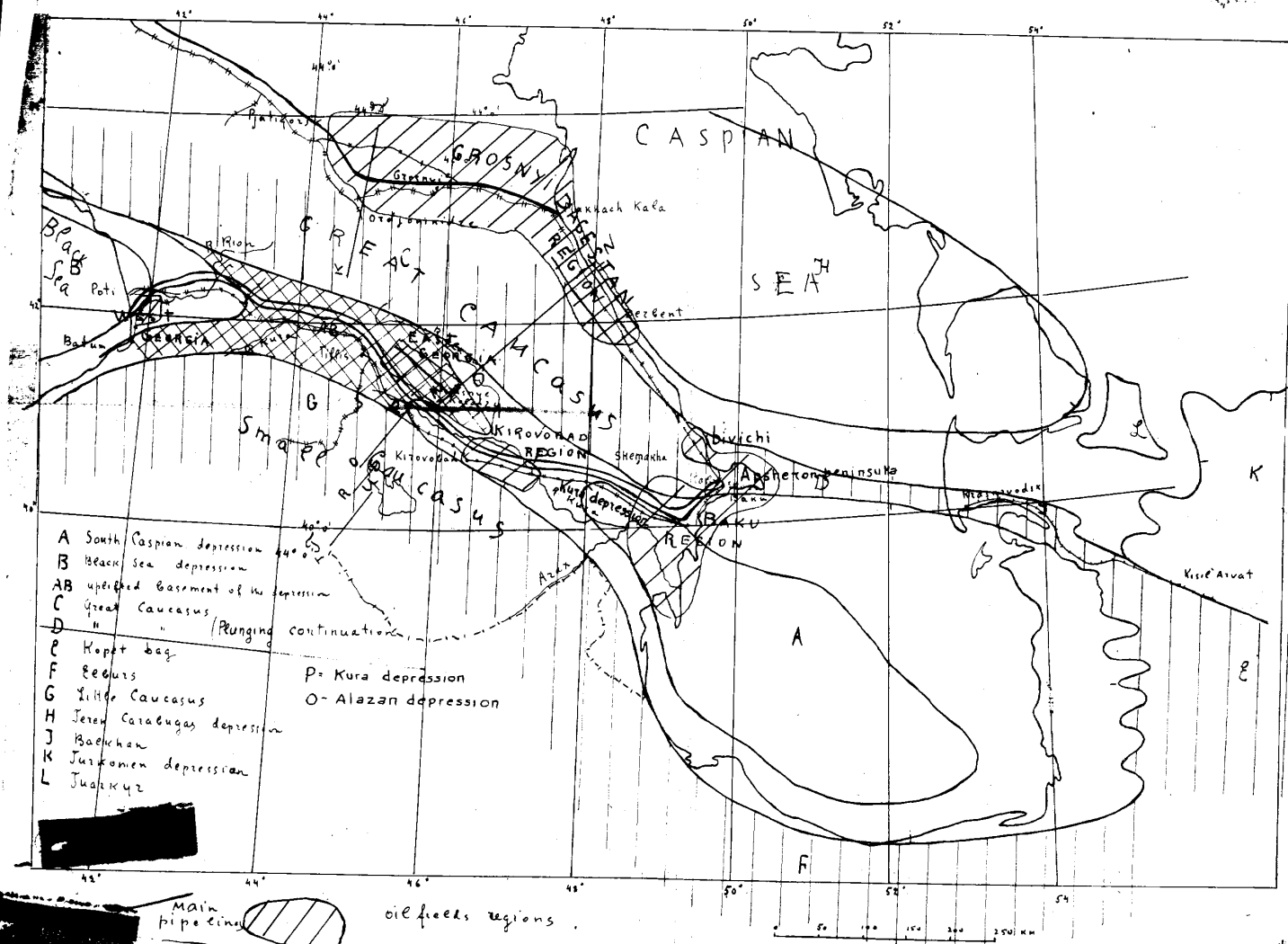


Nº 239

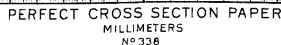
Kura Depression



General Structure ~~No 239~~ ^{No 240}
No 240



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Area of development
of Productive series:
120.000 km²

Correlation of Tertiary

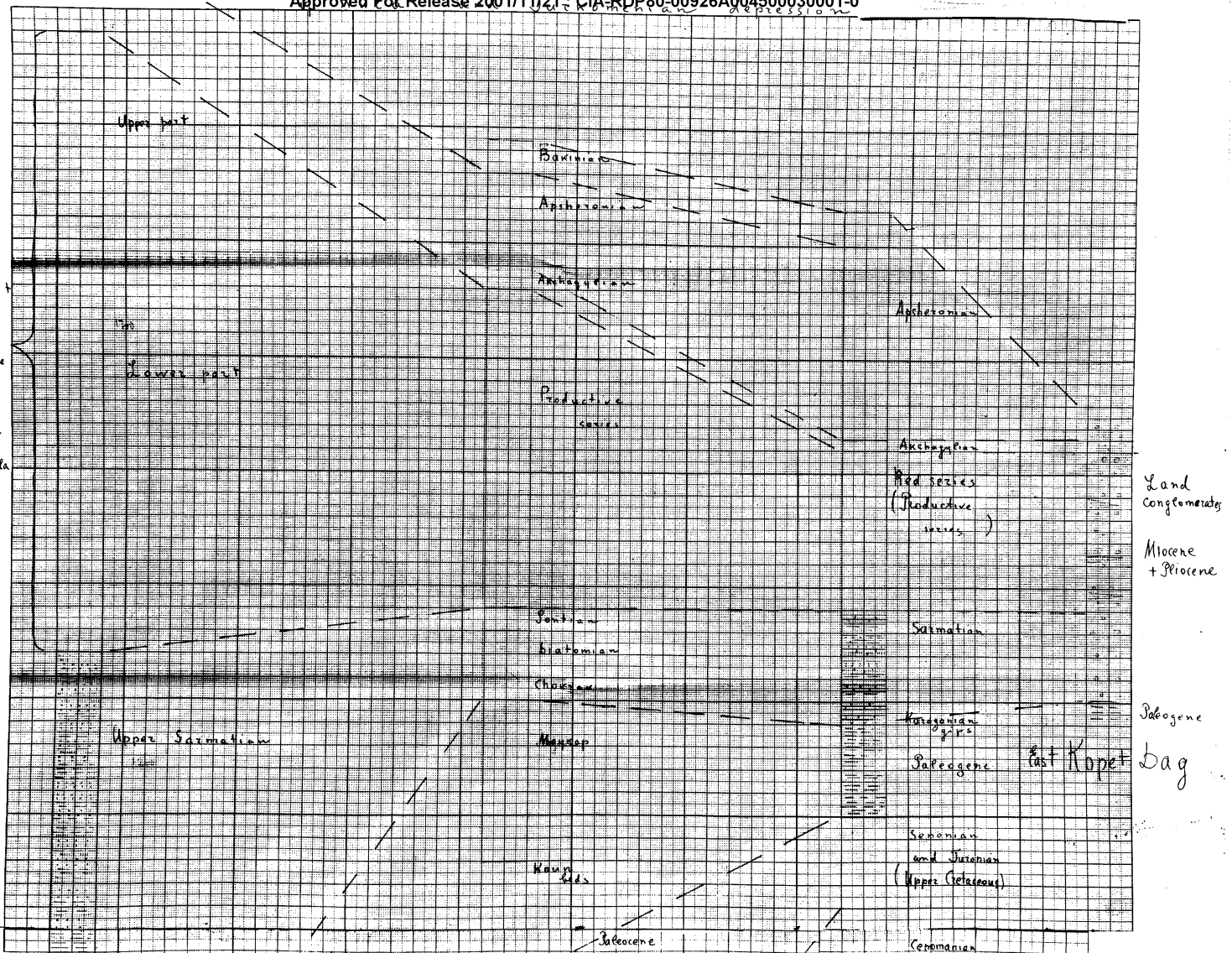
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Nº 242

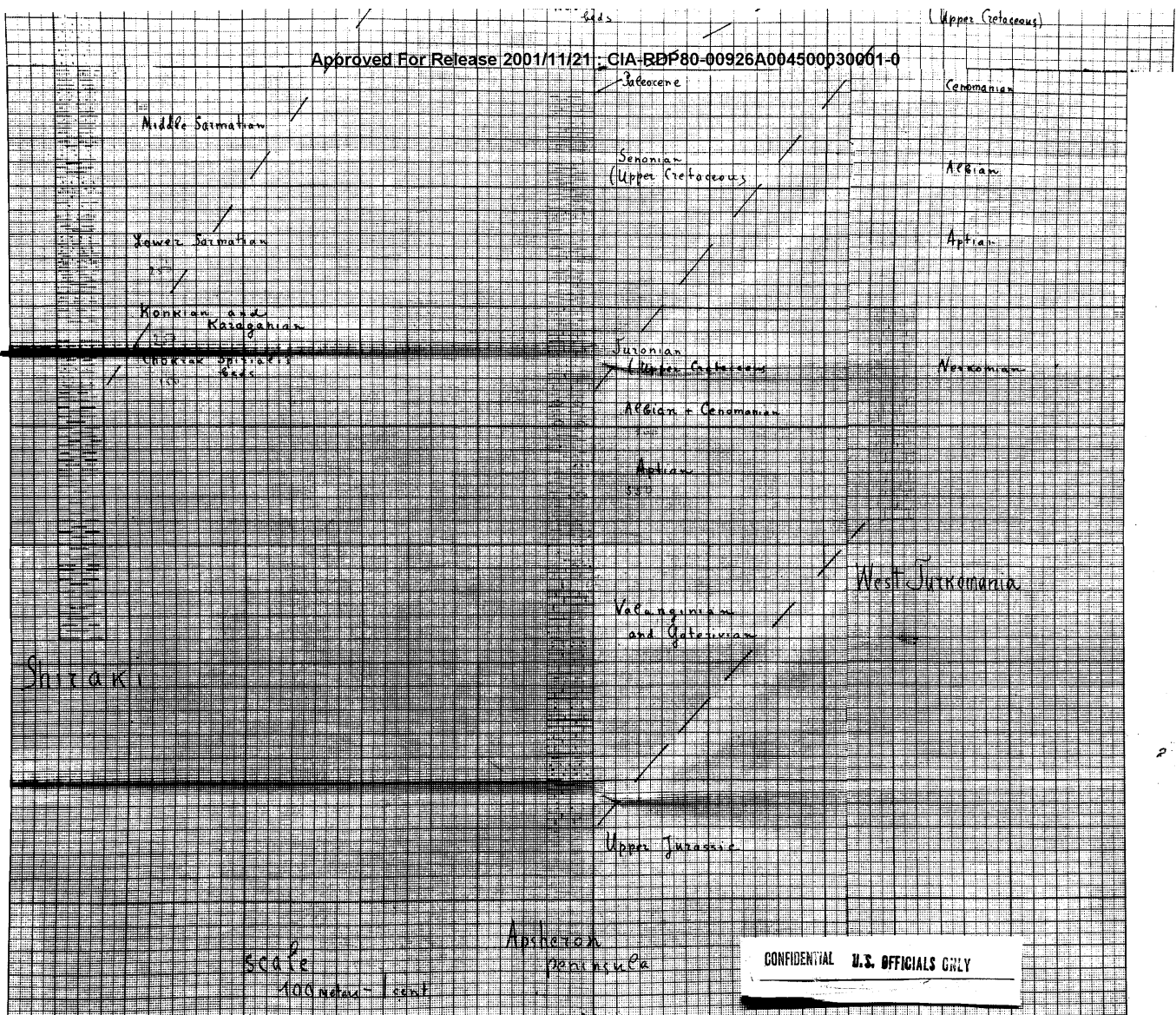
Approved For Release 2001/11/21 : CIA-RDP80-00926A004500030001-0

Akhlagyrian
+ Apscheronian

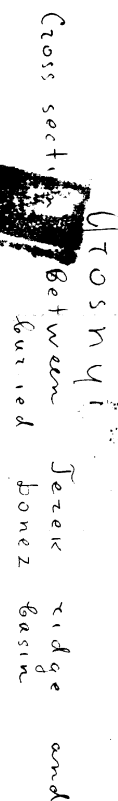
Shirak
Series
(analogist
of
Productive
series
of Apshe-
ron Peninsula)

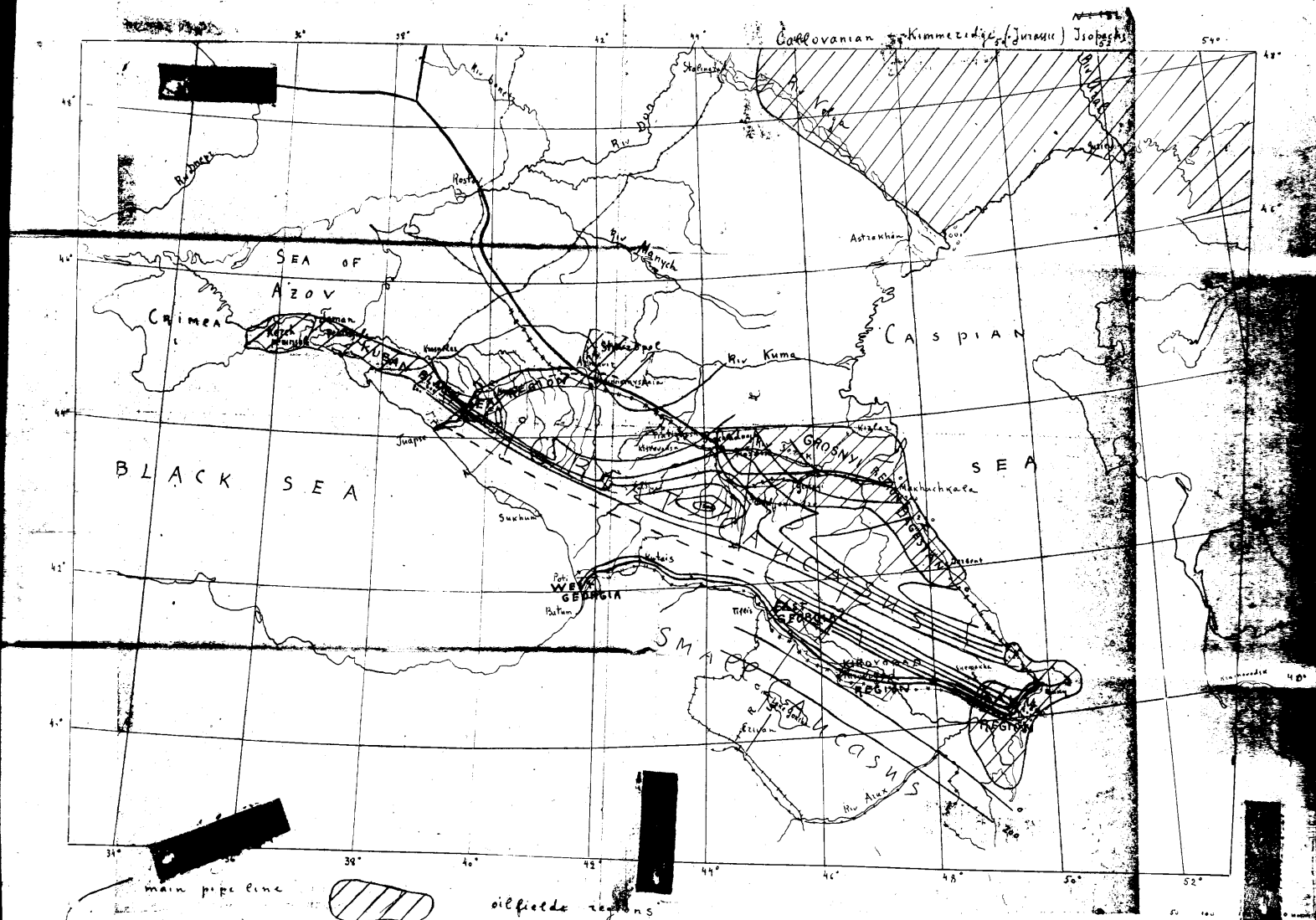


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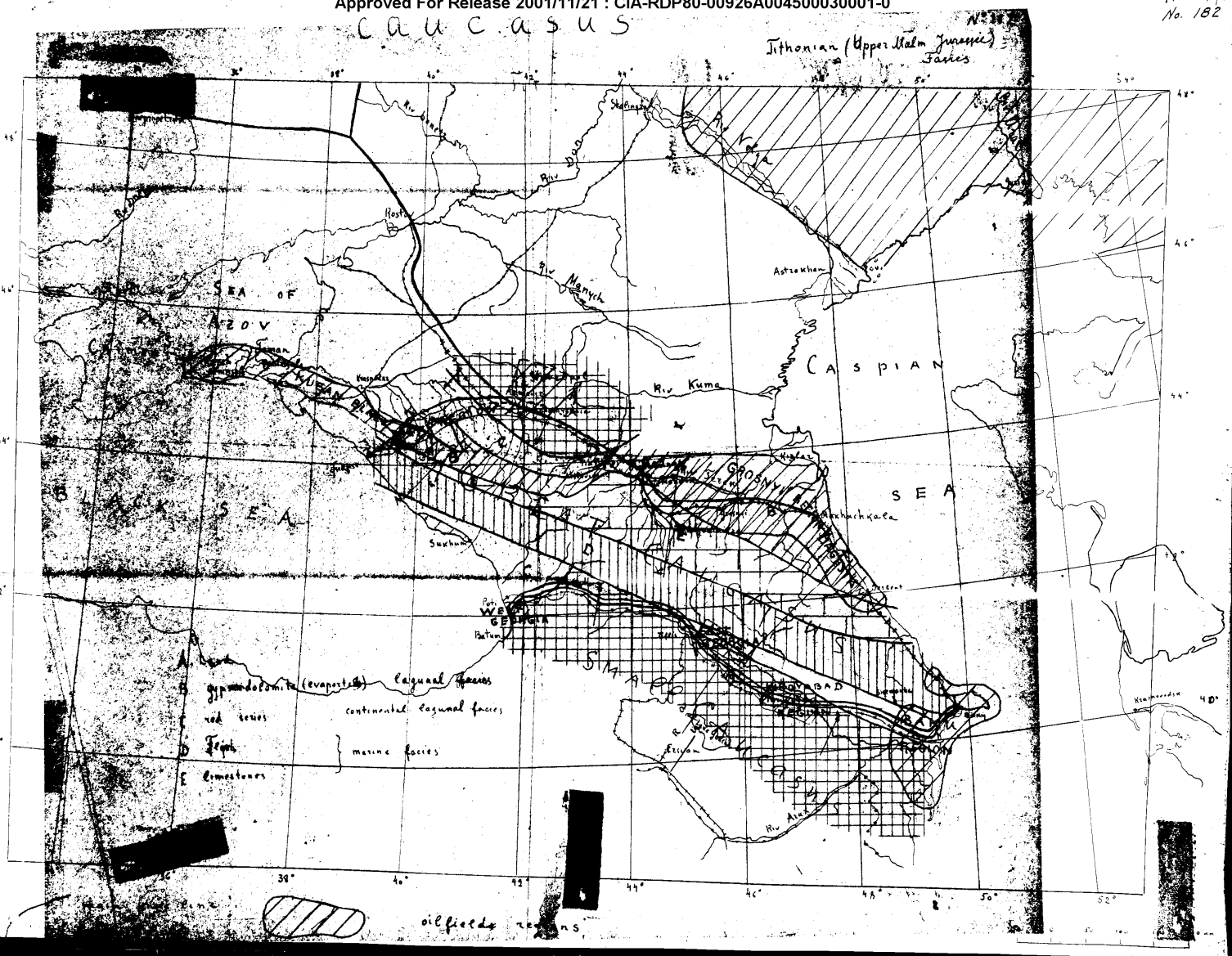
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$$Z$$




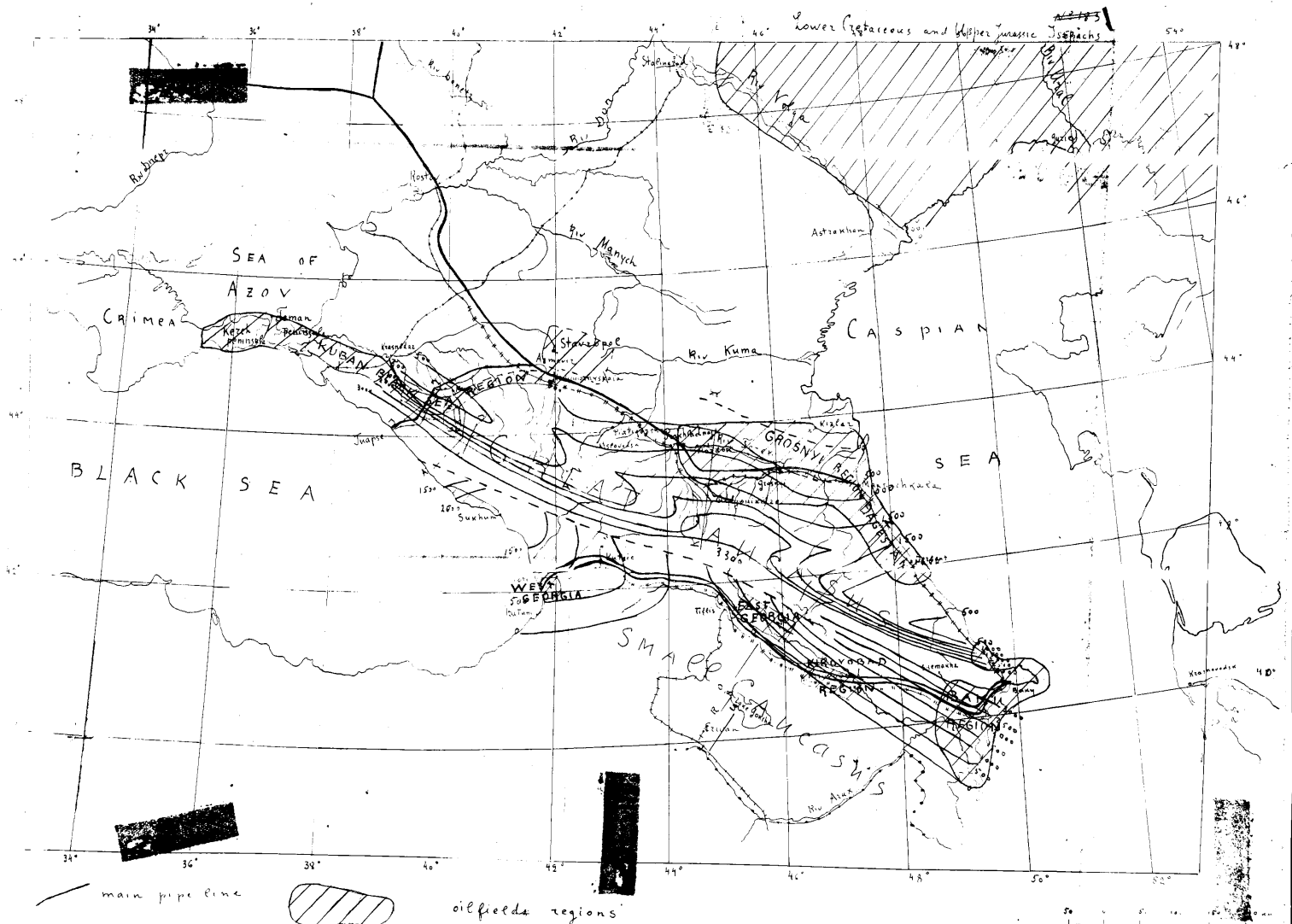
CAUCASUS

No. 182



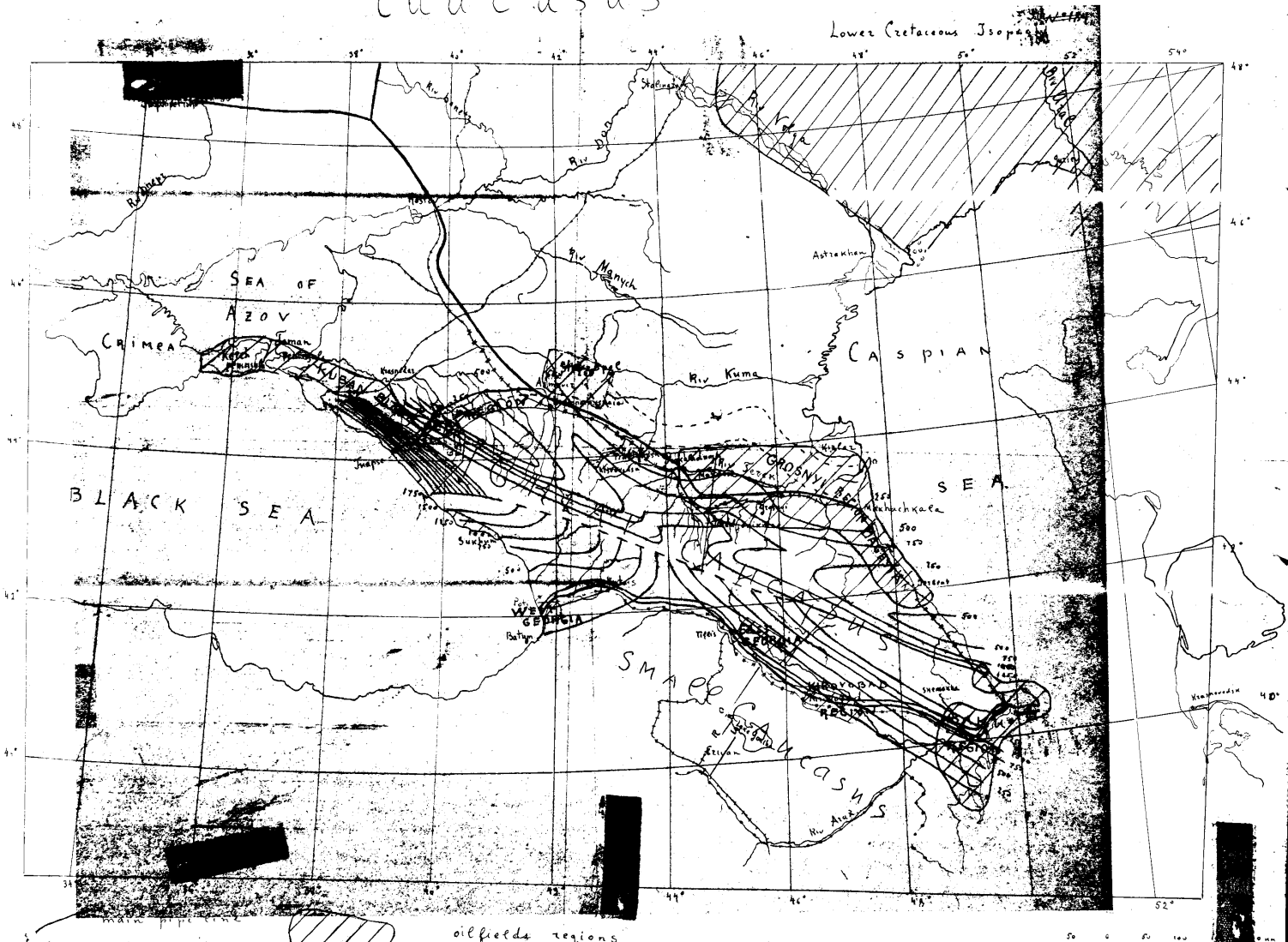
CAUCASUS

No. 183



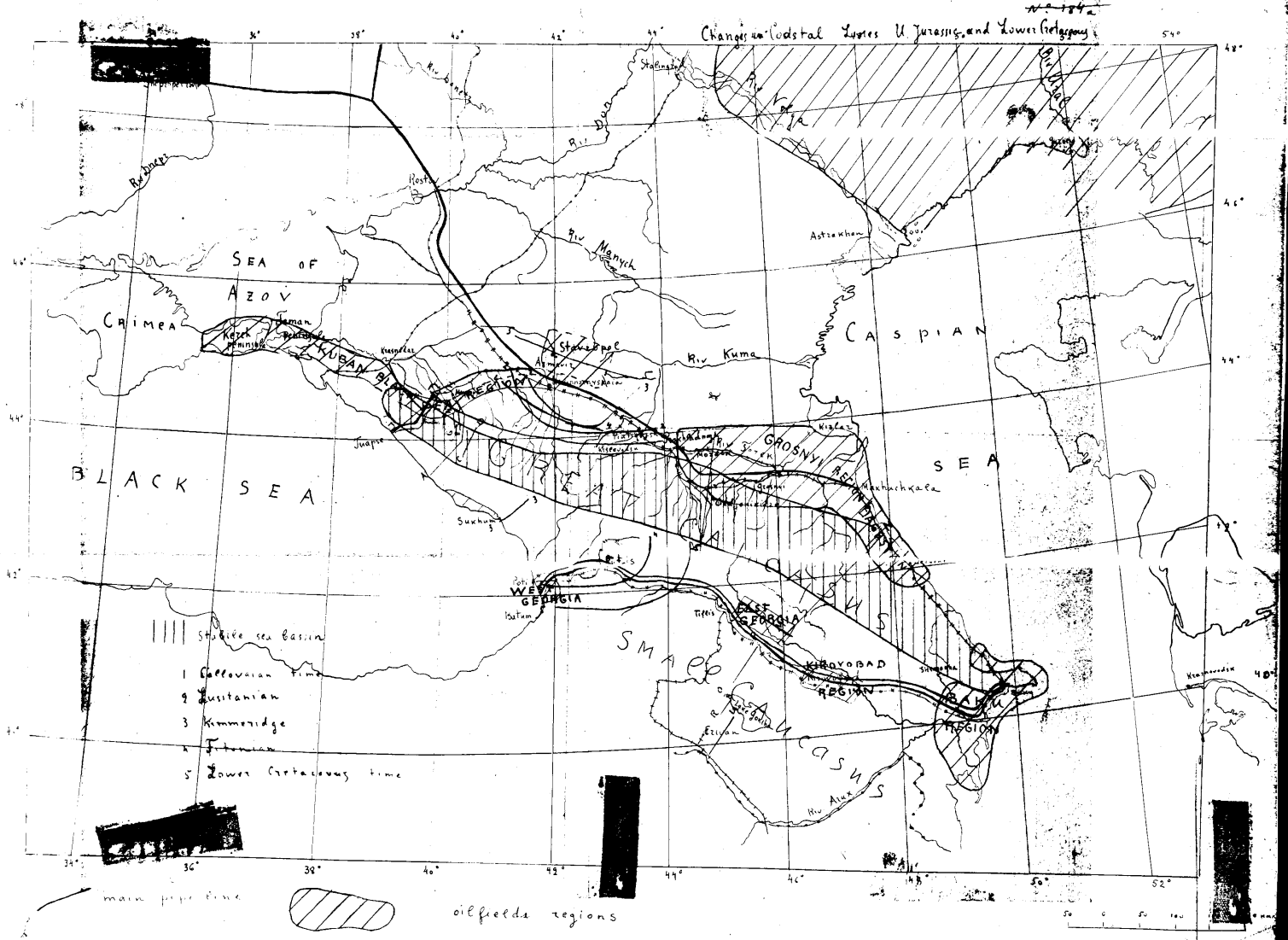
caucasus

Lower Cretaceous Isopach



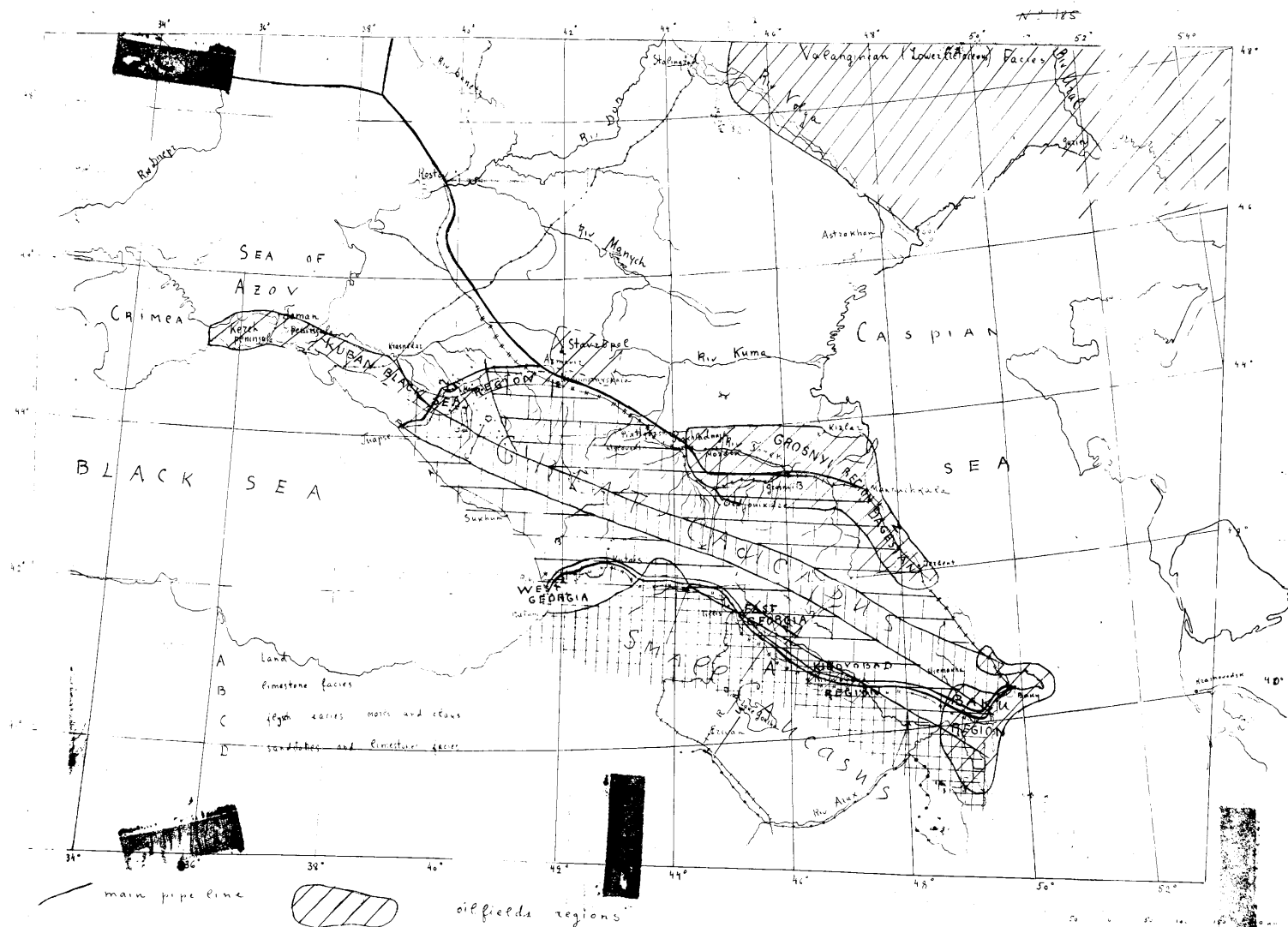
caucasus

No. 184a



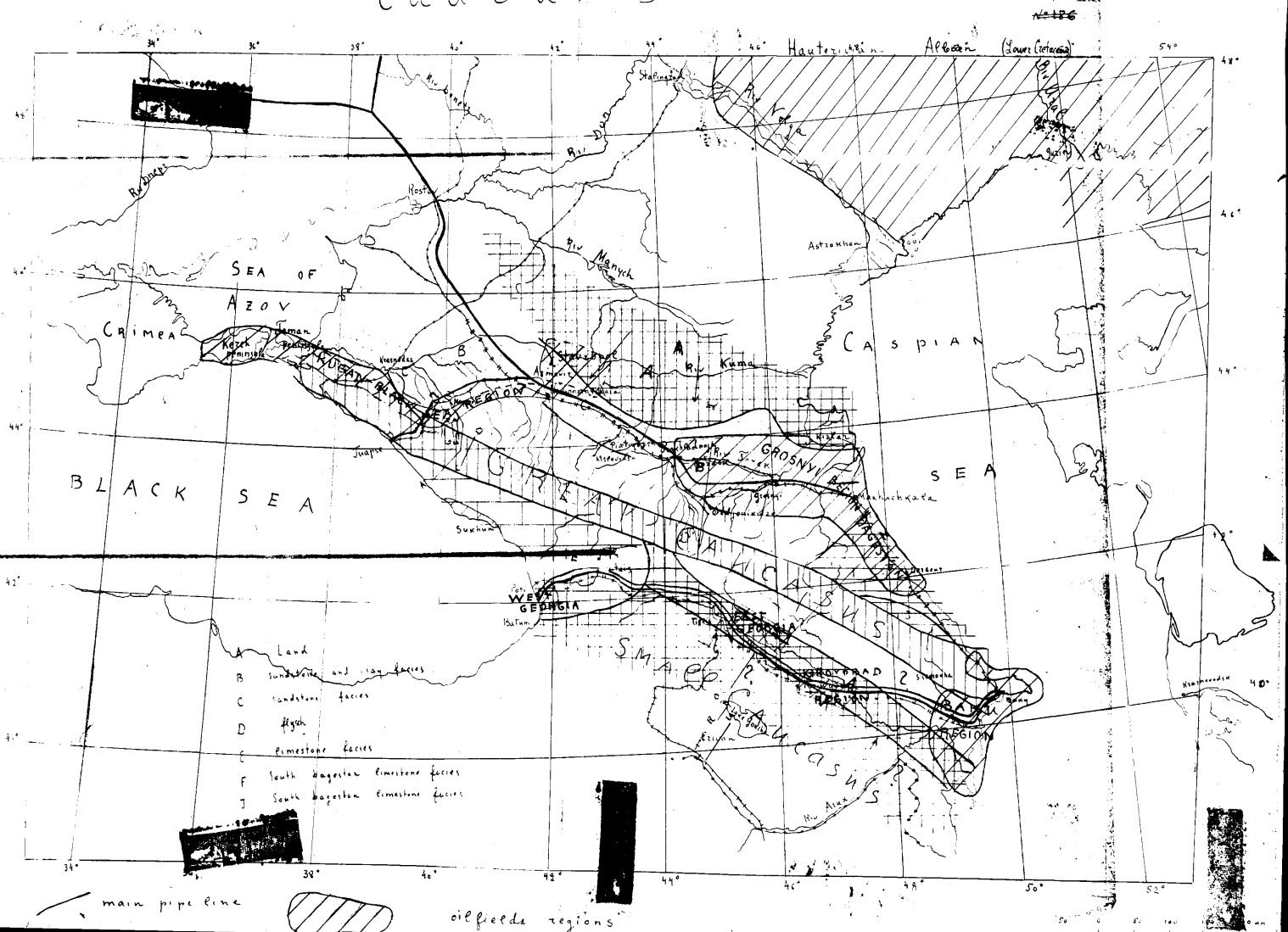
C a u c a s u s

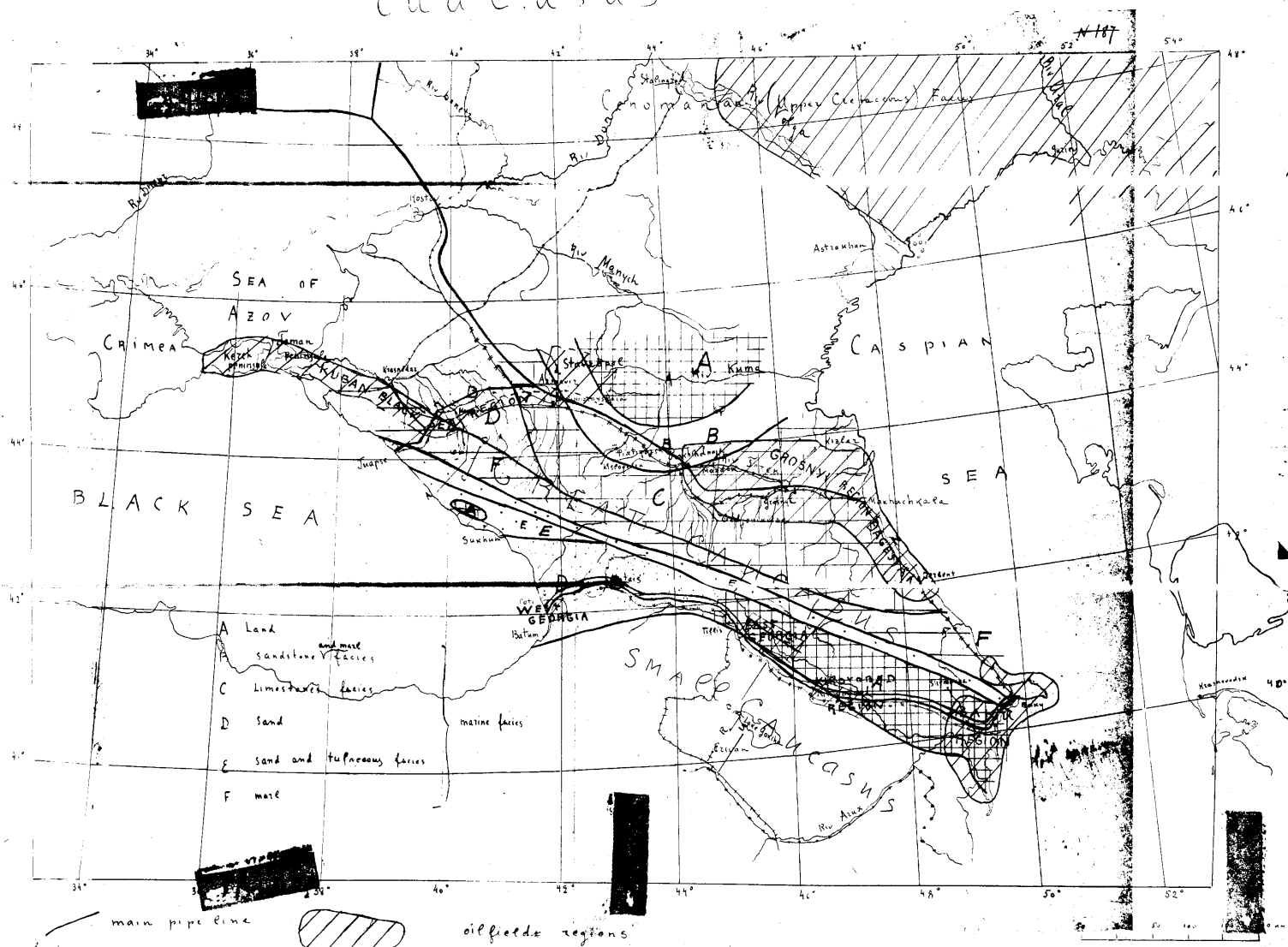
No. 185



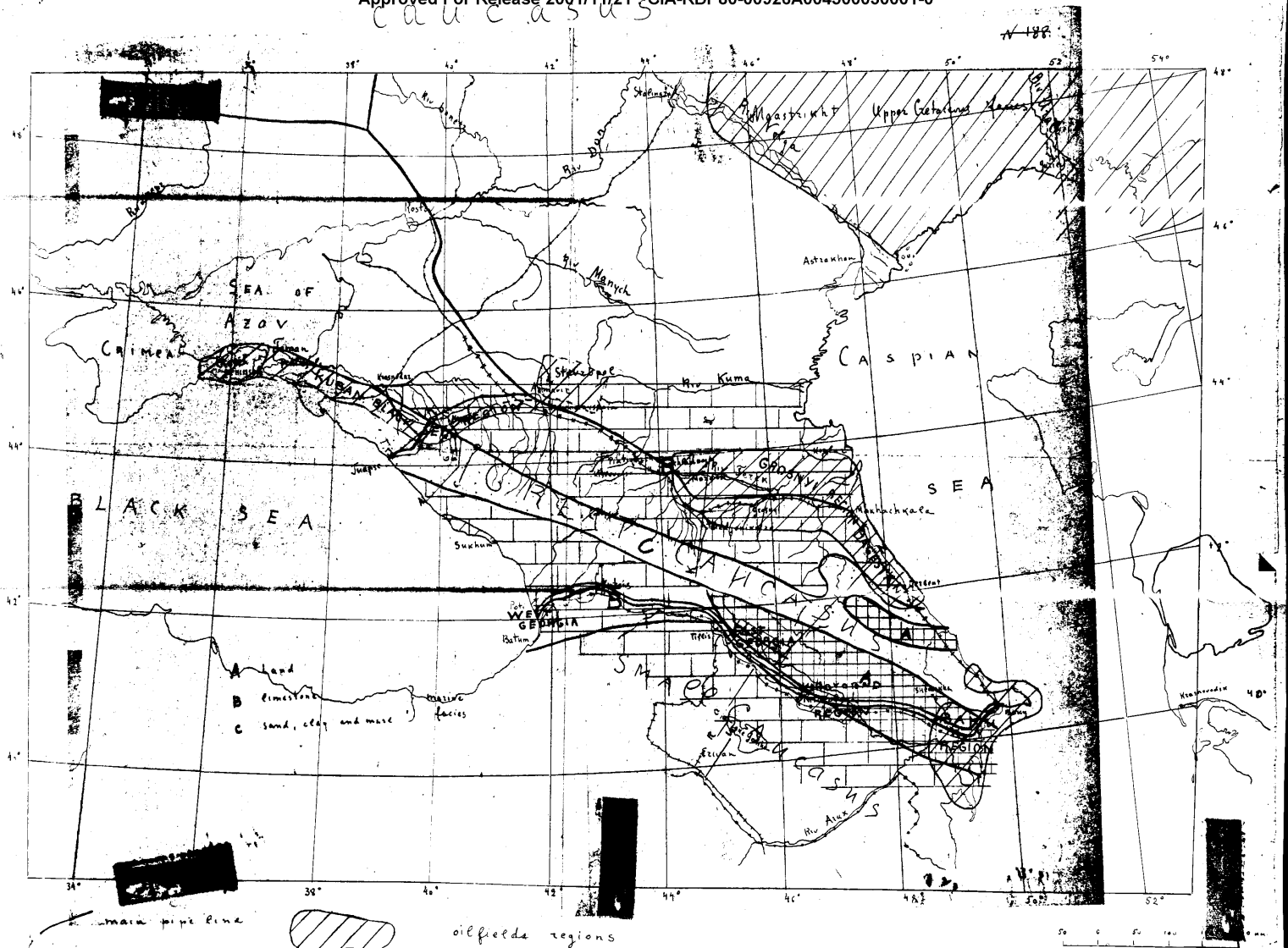
CAUCASUS

No 186

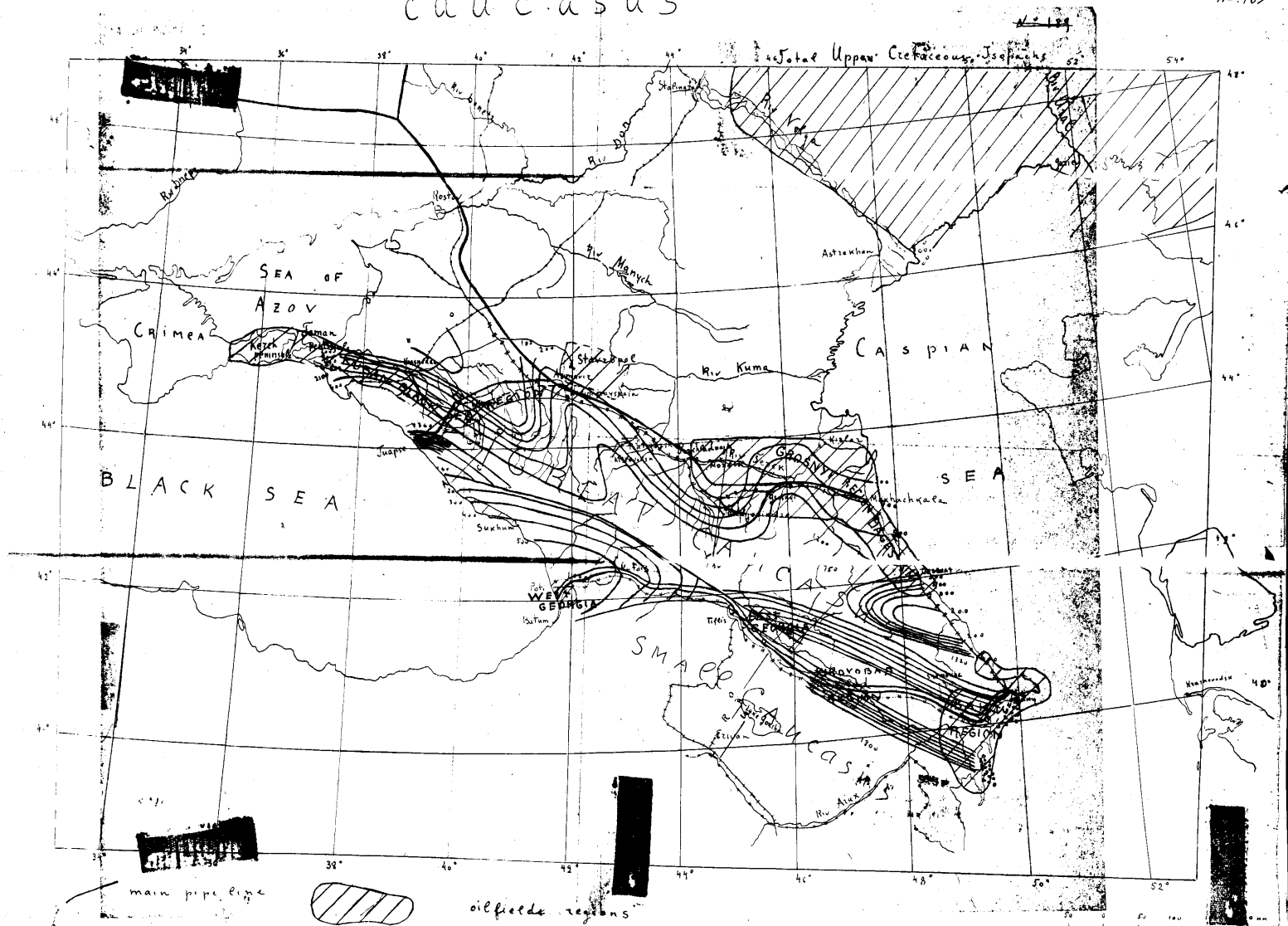




caucasus

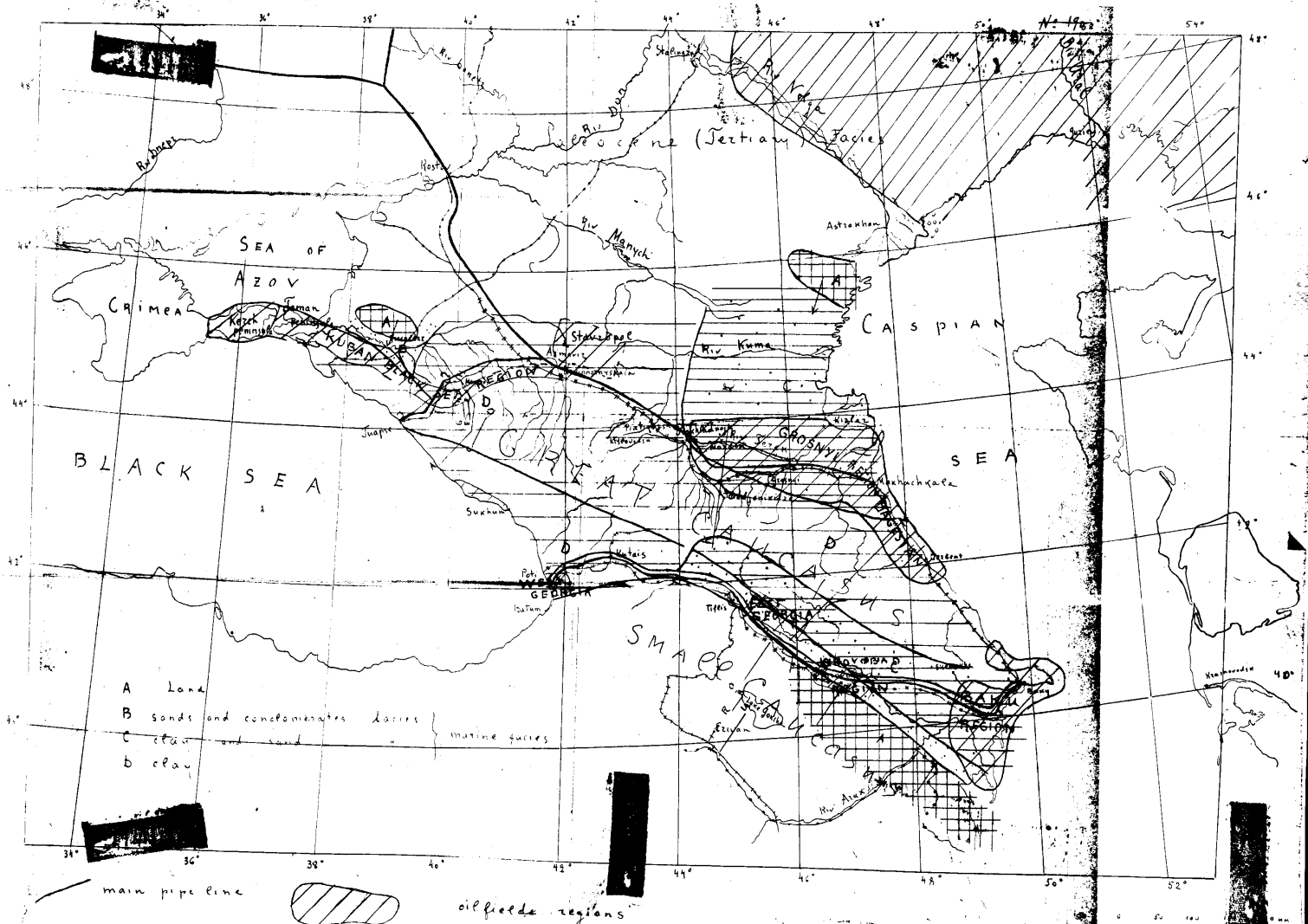


~~N. 189~~



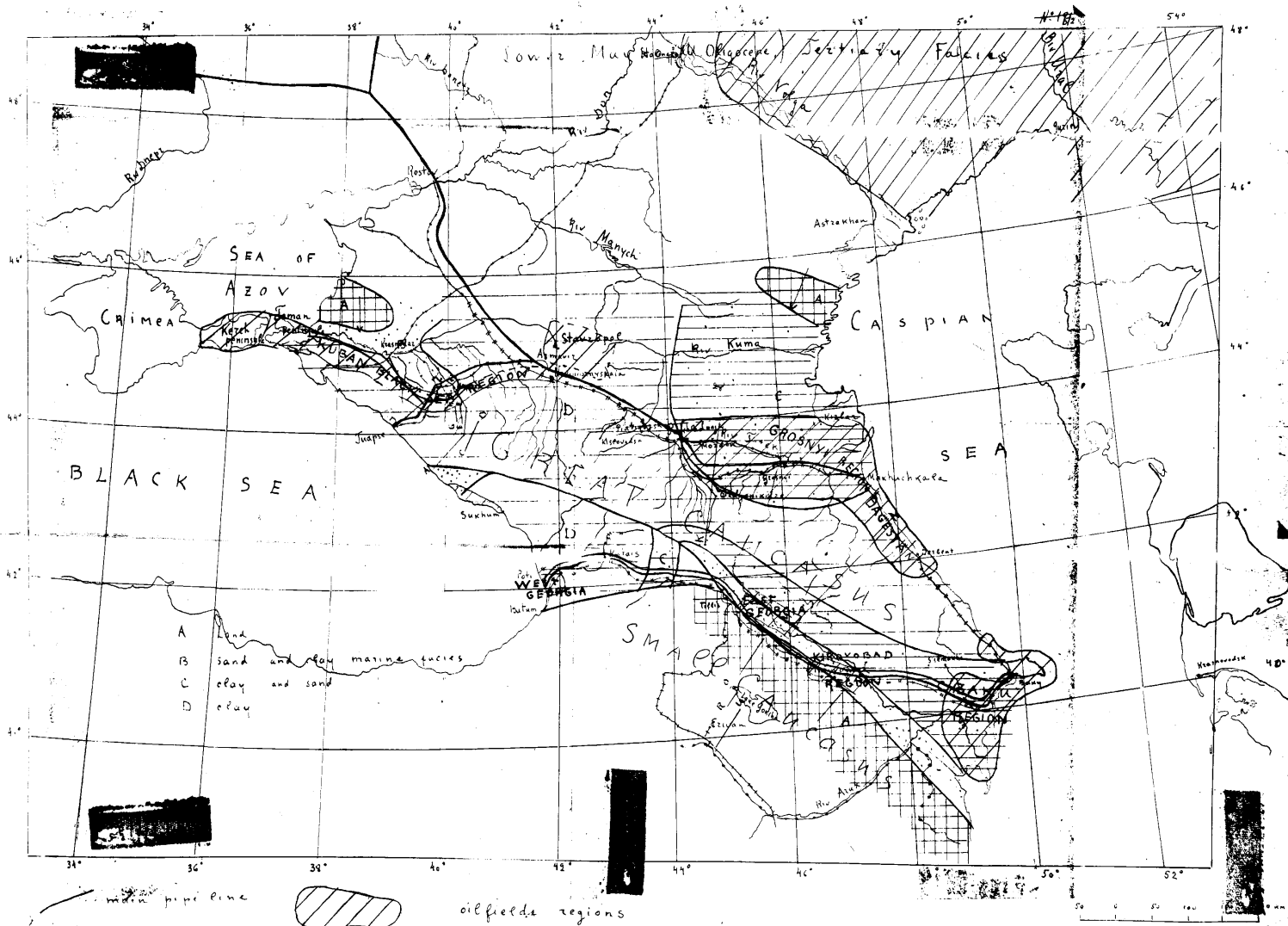
caucasus

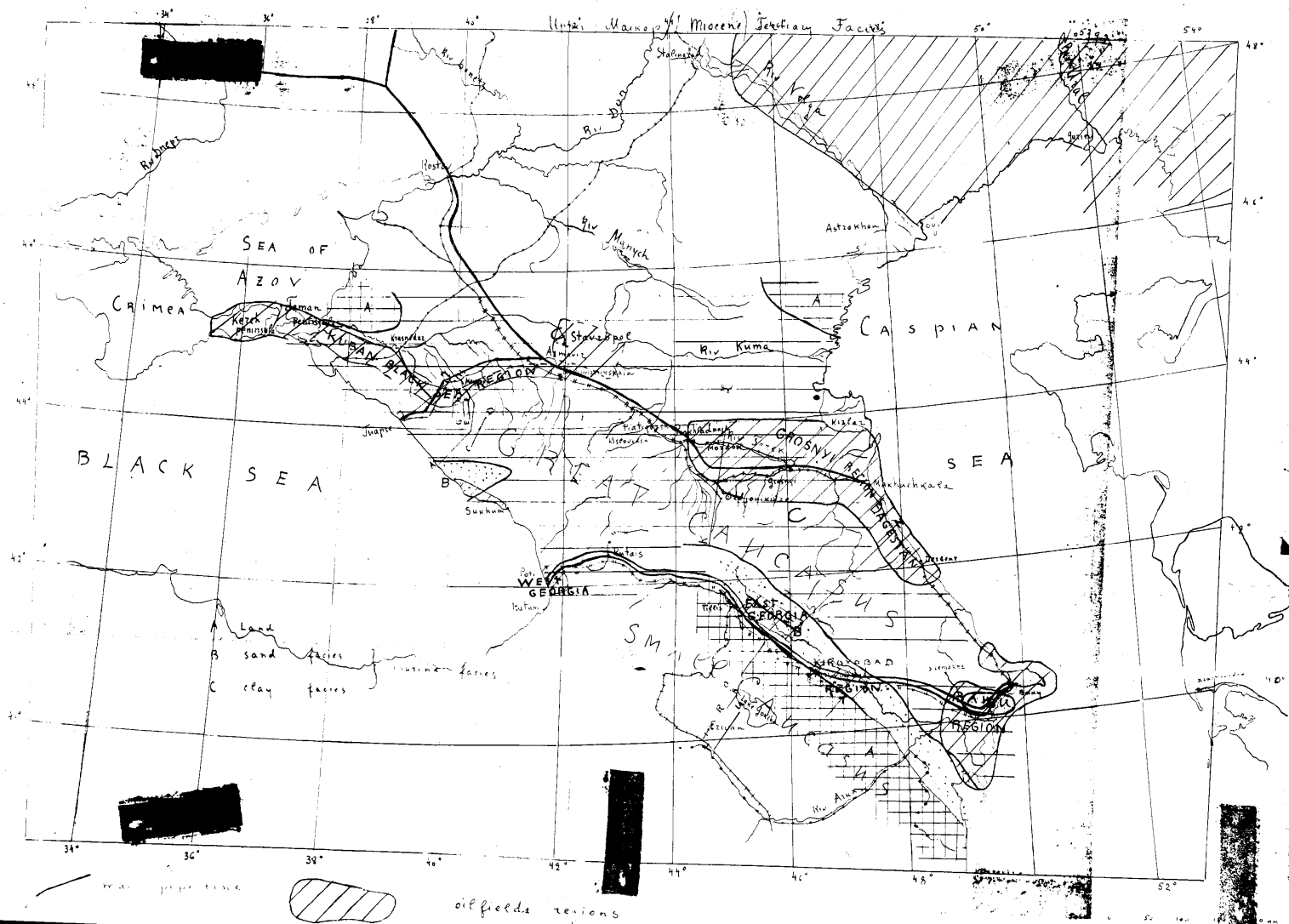
No 130

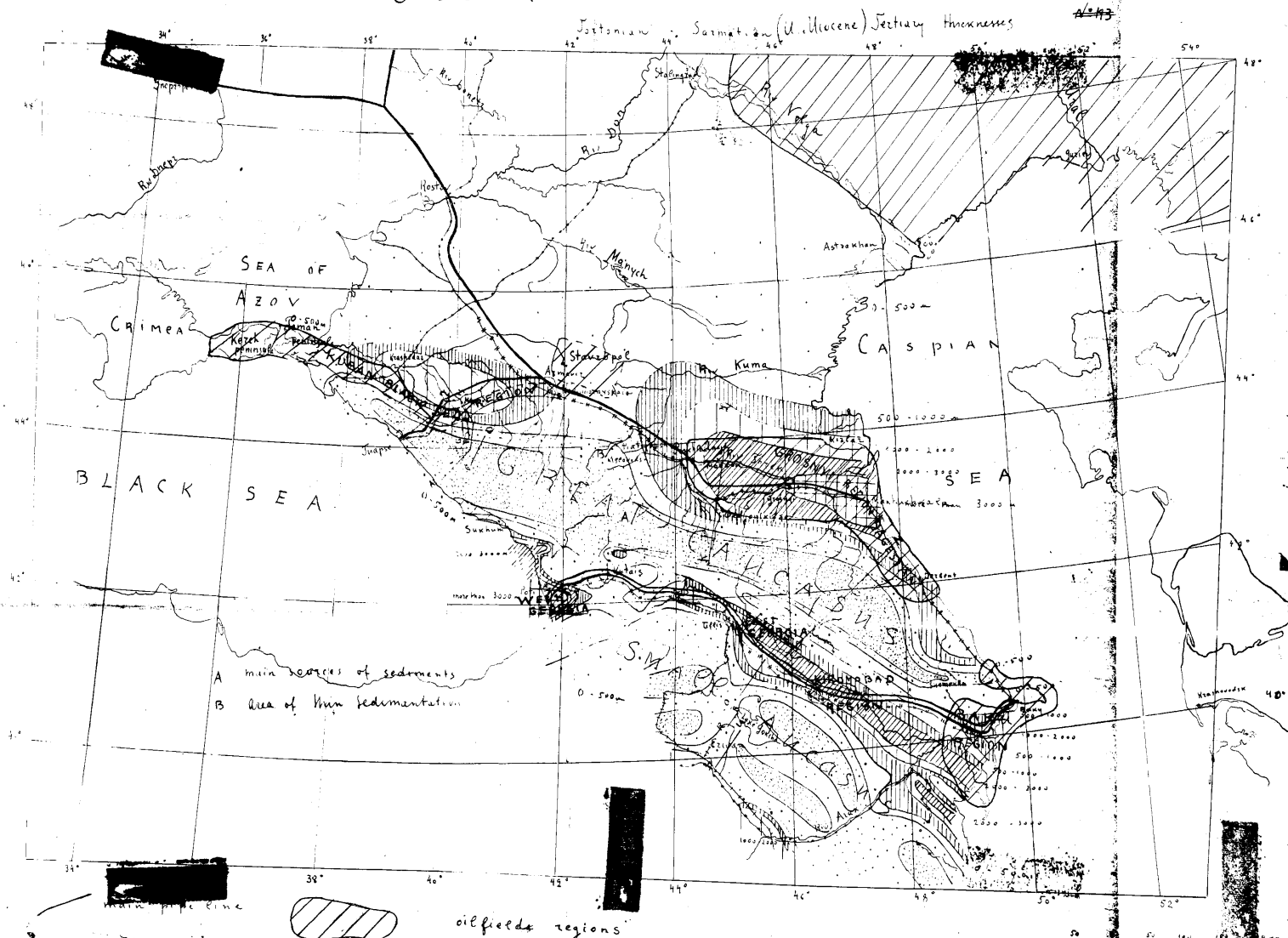


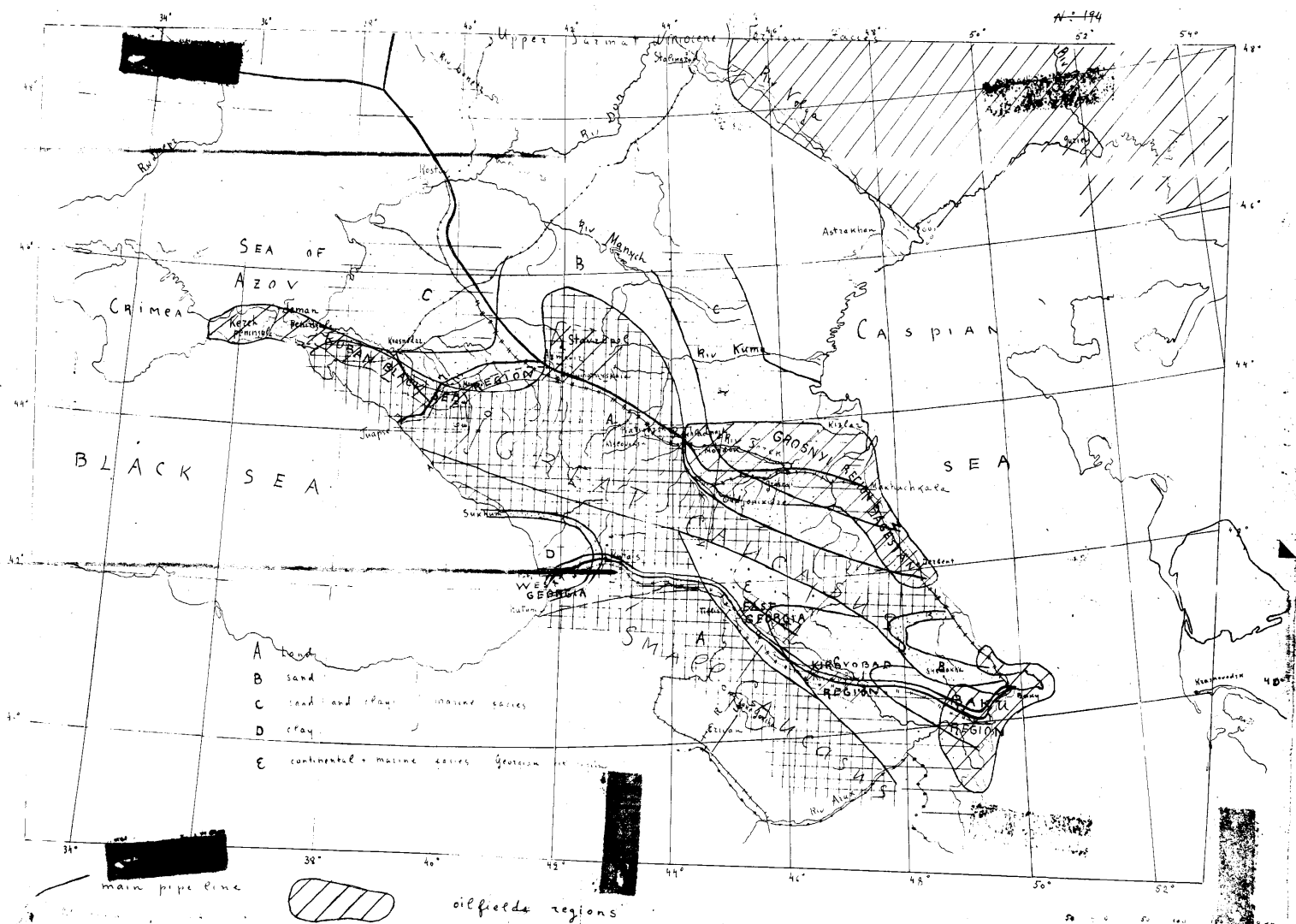
caucasus

No 191

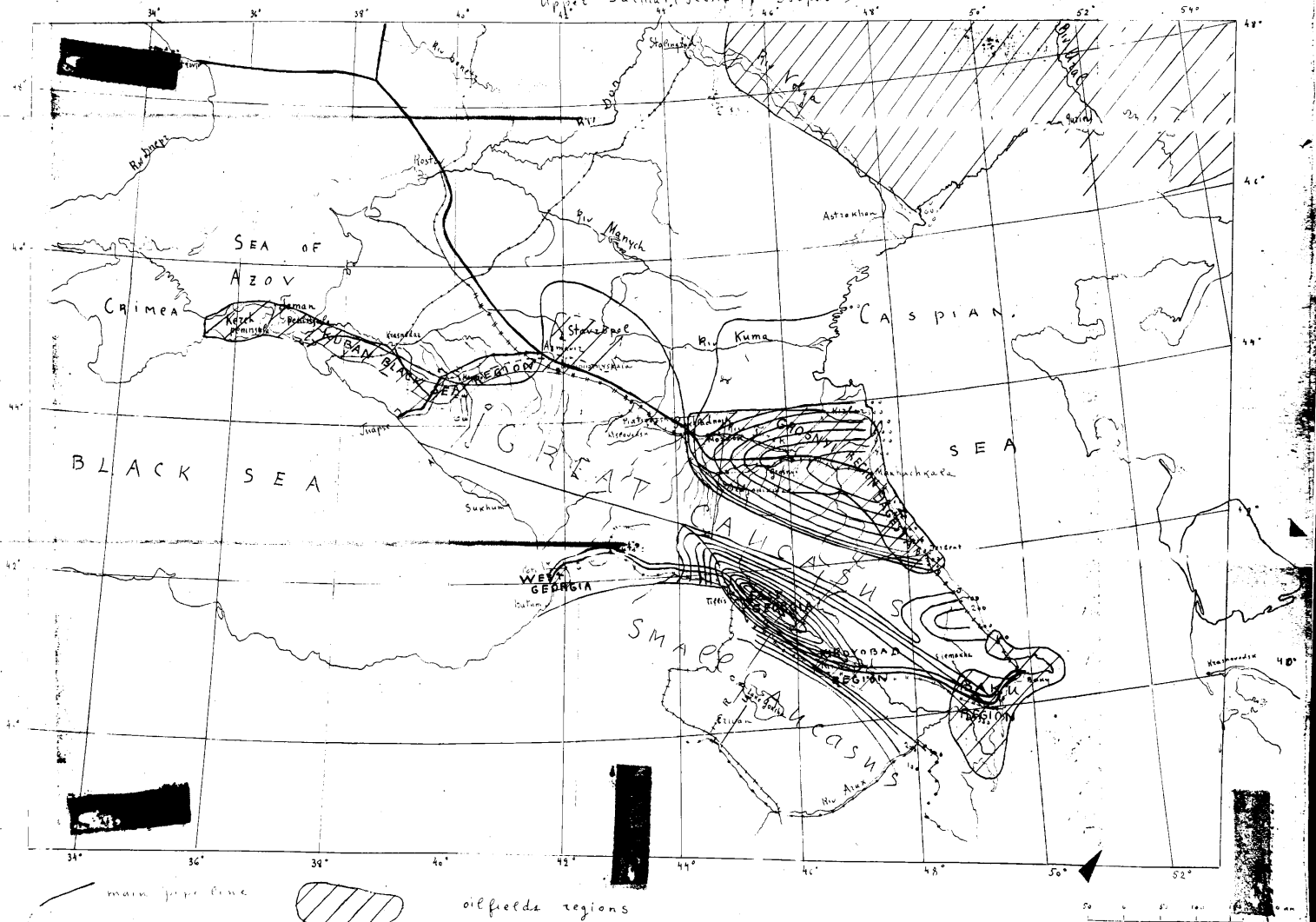
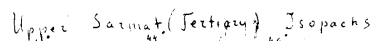




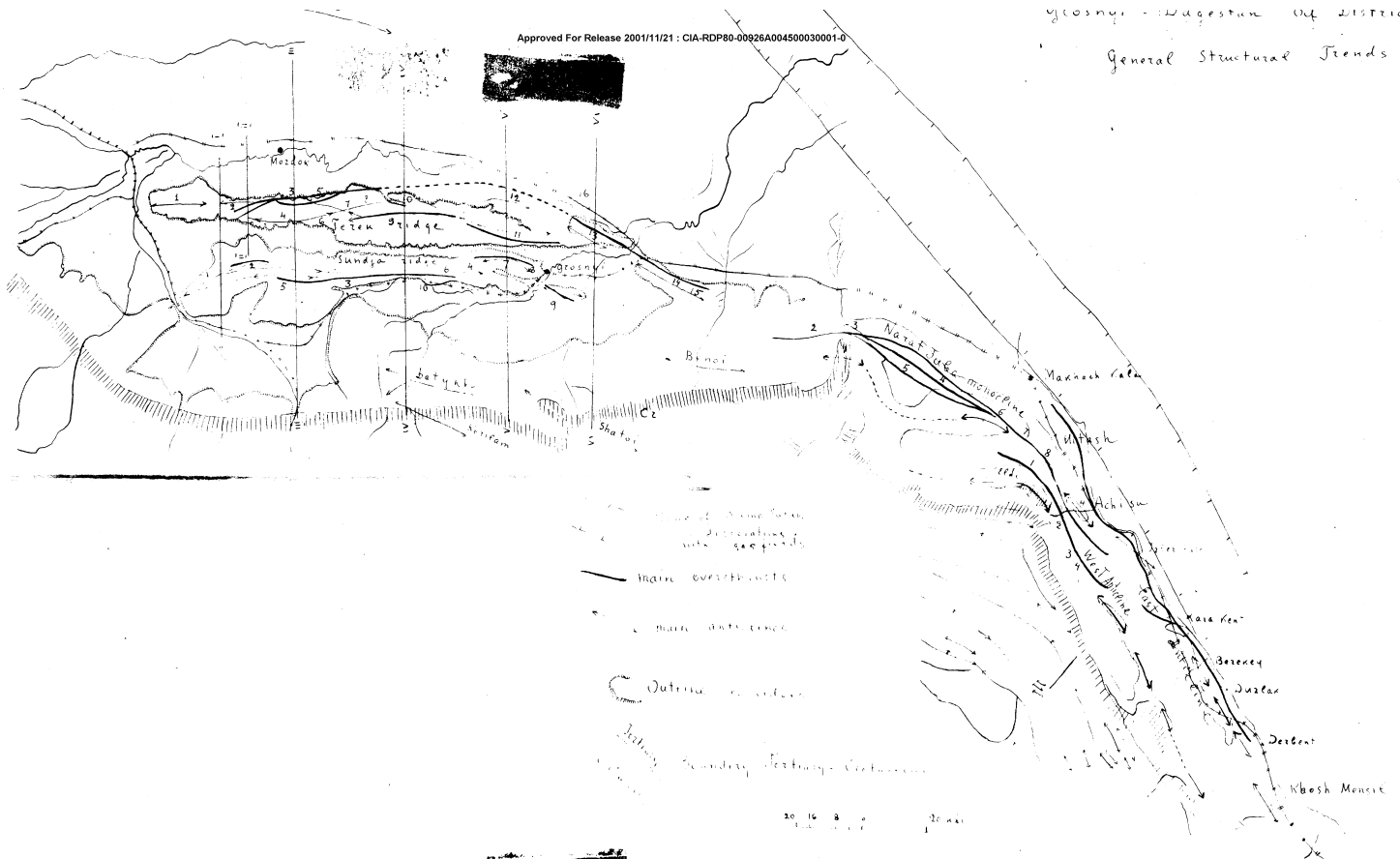




No. 195

~~Nº 195~~

Ylosmy - Sugestun of District
General Structural Trends



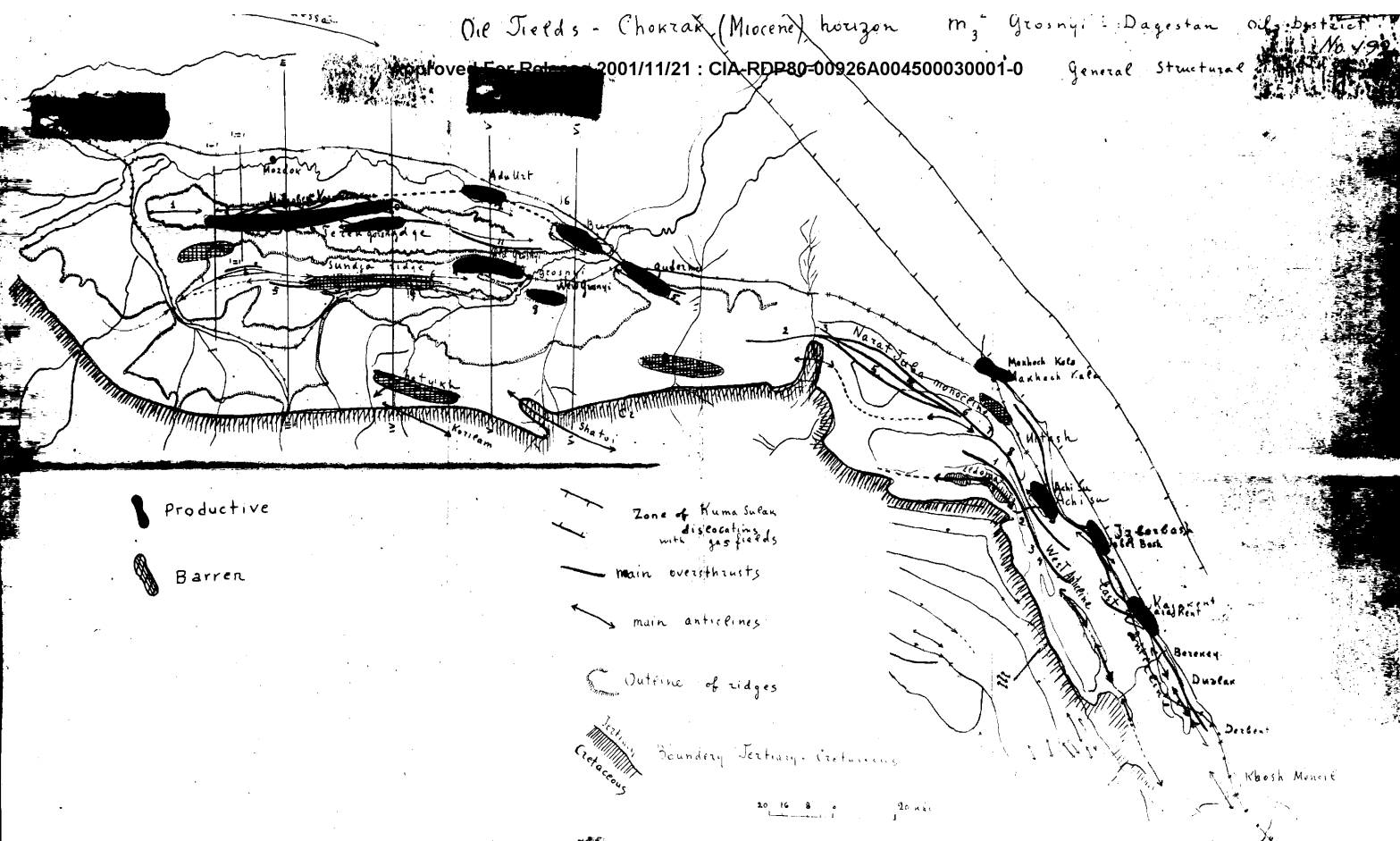
No 338



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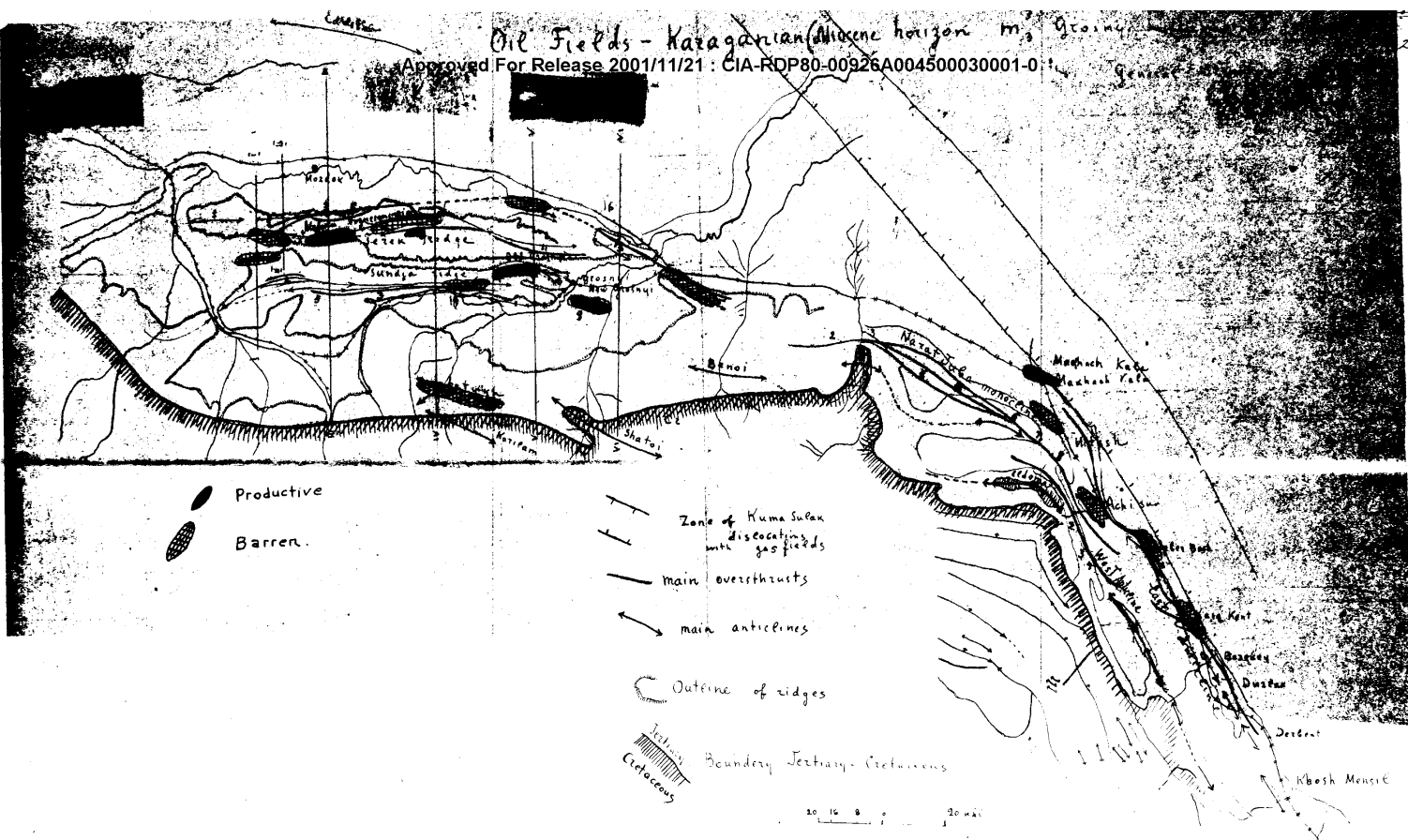
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General Structural

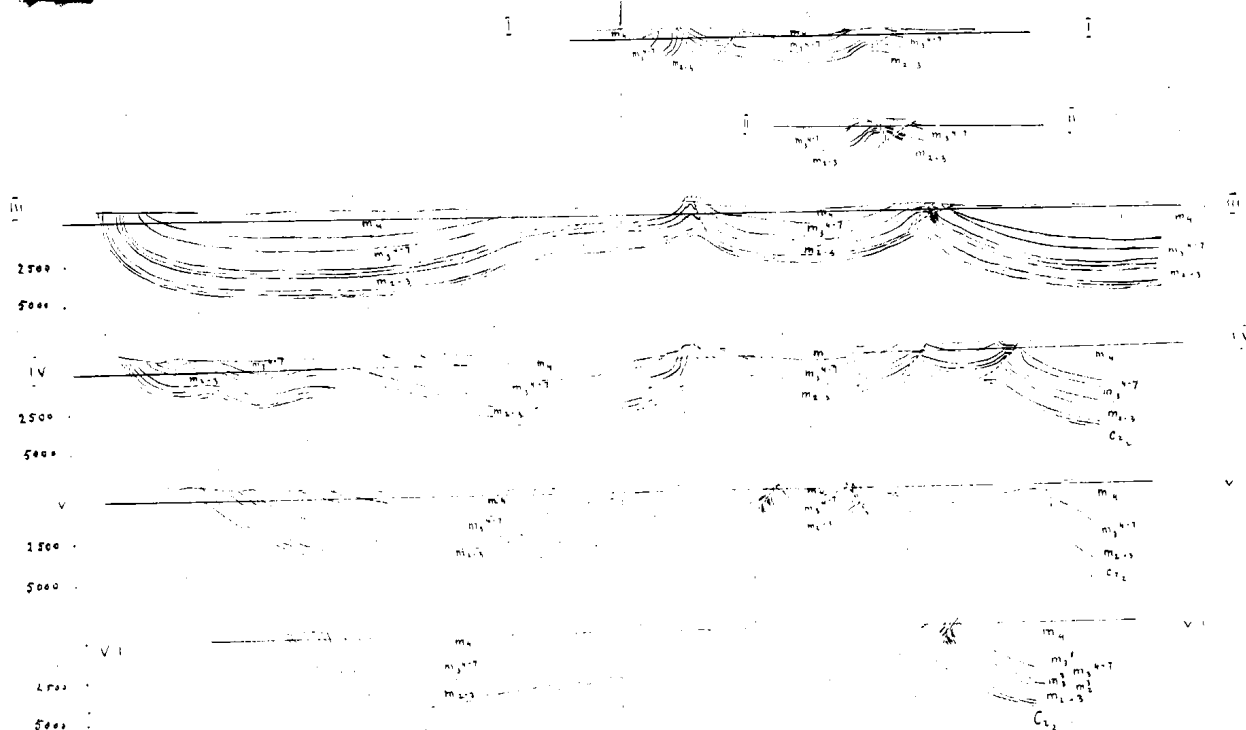


Oil Fields - Karaganian (Miocene horizon m, Gco. n. p. m.)

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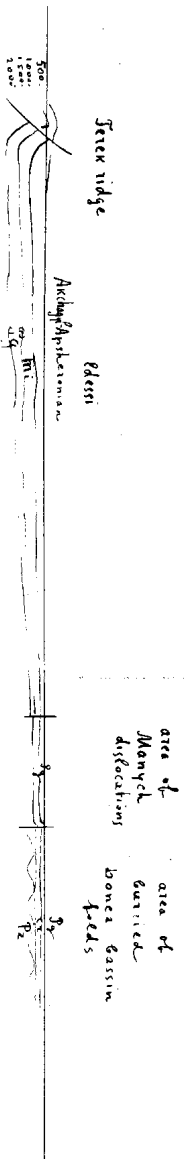


Cross Sections Grosnyi
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- m₄ pliocen + postpliocen } Pliocene
- m₃ Meotie }
- m₂₋₇ Sarmatian }
- m₃ Kazanian horizon } Miocene
- m₂ choktavian horizon }
- Maykop beds } Oligocene
- Saxaminifera beds }
- C₂ upper Cretaceous } Cretaceous

5



Cross section
between Jerek ridge and
buried bones basin

N:2

Types of Overthrusting characteristic region

Sundja ridge

Serek ridge

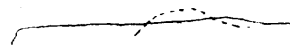
Achaluk



Malgoten

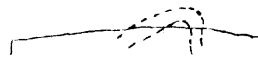
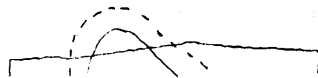
Koznesensnaja

Karabulak



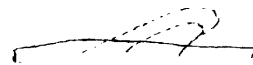
Pravun

Slepšov



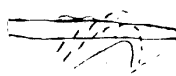
M. Gorskaja

Sernovodsk

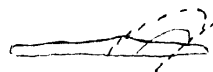


M. Orlovaja

Gzysny ridge



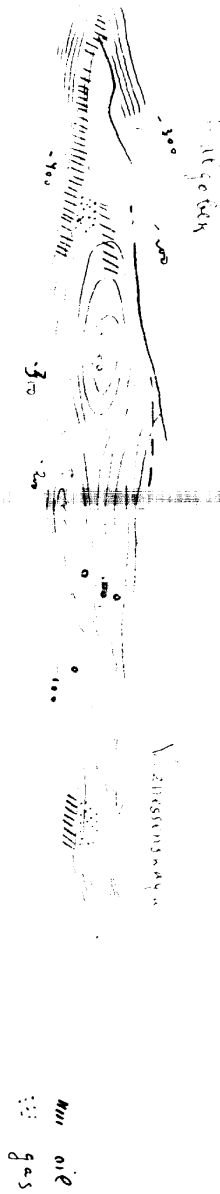
Kazny Kort



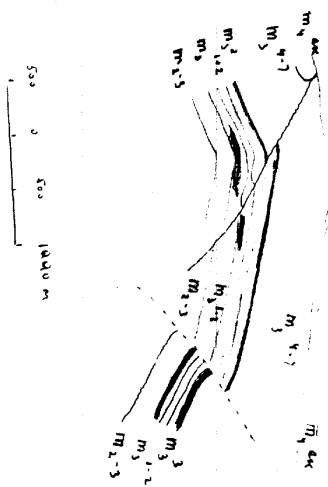
Gorjachevodska

South Mugyren and Volynskaya (N° 3, 4, 5, 6)

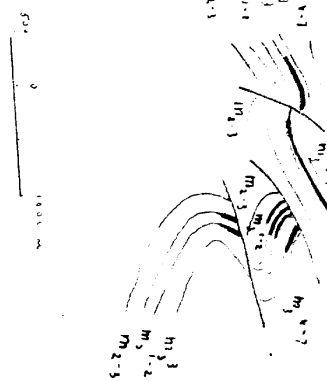
N° 205



Mat go bak



Volynskaya



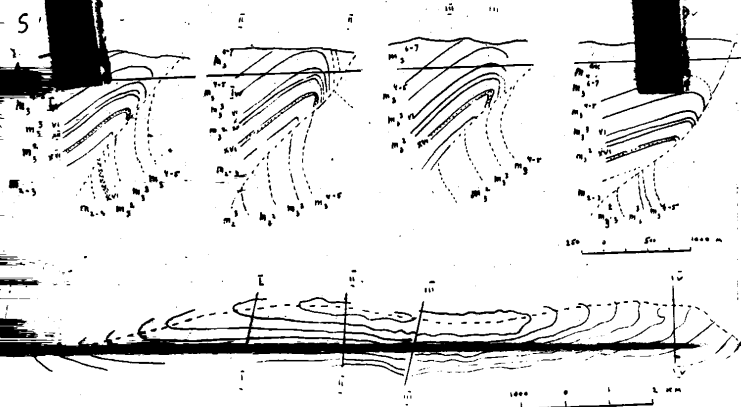
Structure of the overthrust surface.



oil

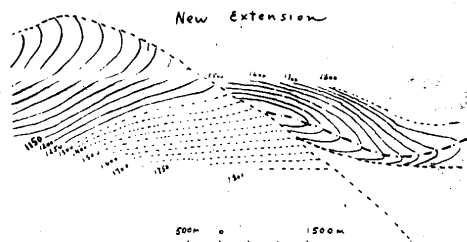
Old Grosnyi Field (N.º 7, 8)

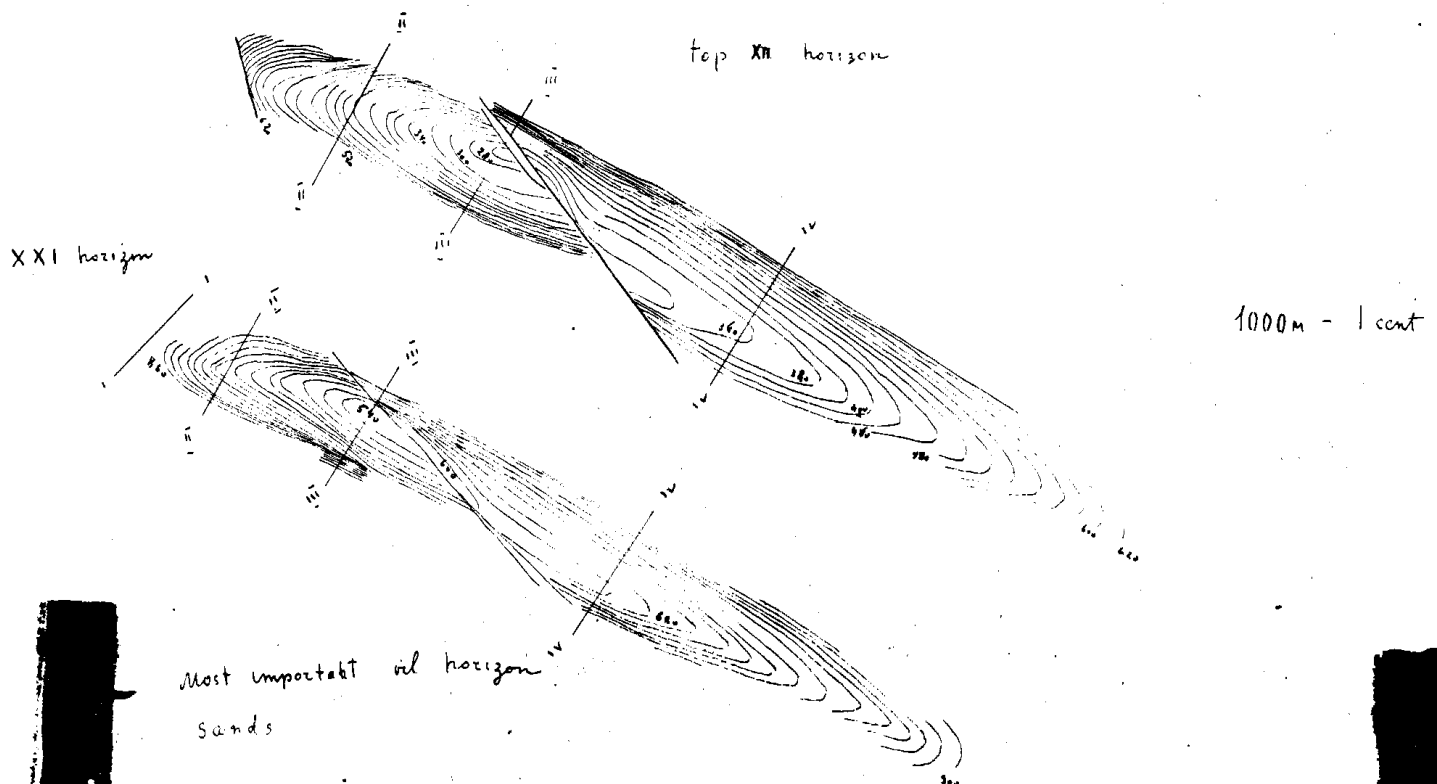
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Oil found on both
flanks, but new production
mainly from underthrust flank.

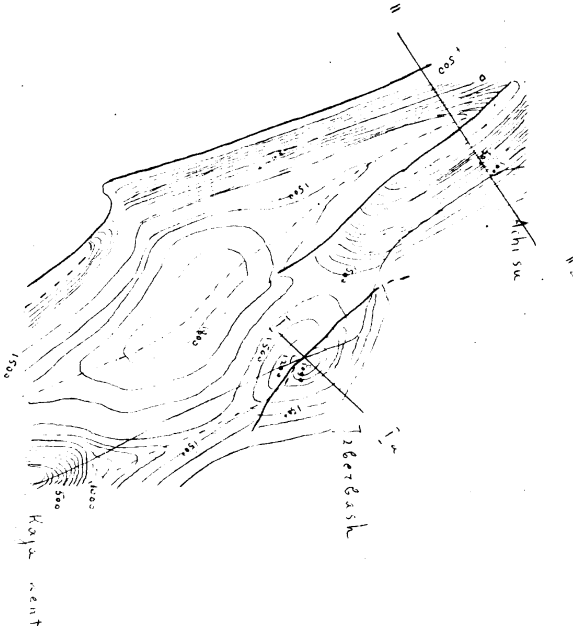
East Old Grosnyi and Jashkara







Top of Chomam Spiriferis beds



0 1 2 km

018

Dageshtan

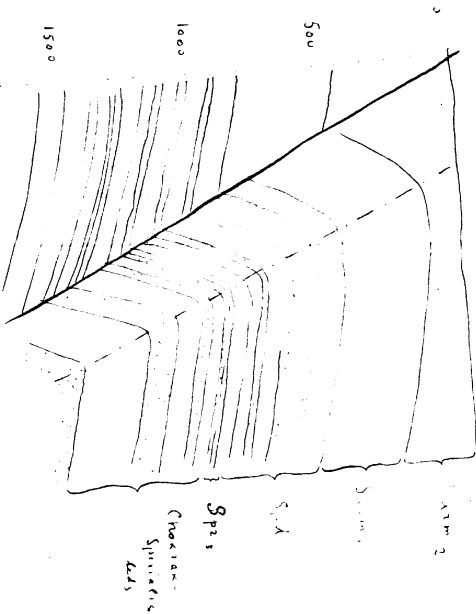
Jzereash and Achi su

(N^o 3, 4)

N208



Jzereash



0 1 2 km

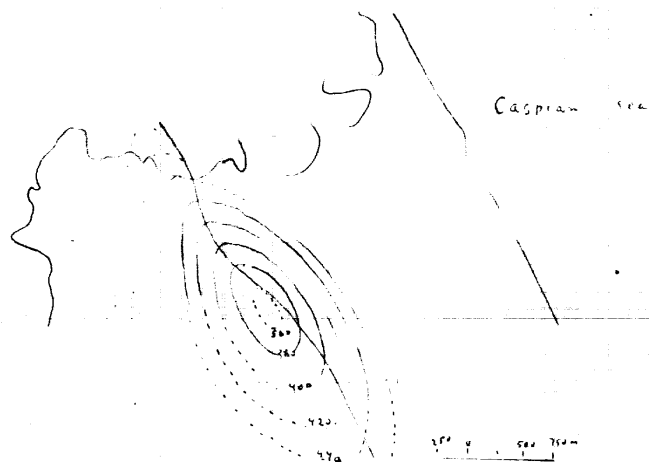
Achi su

11

Dagestan

N° 209

Bazheni oil field (N° 6)

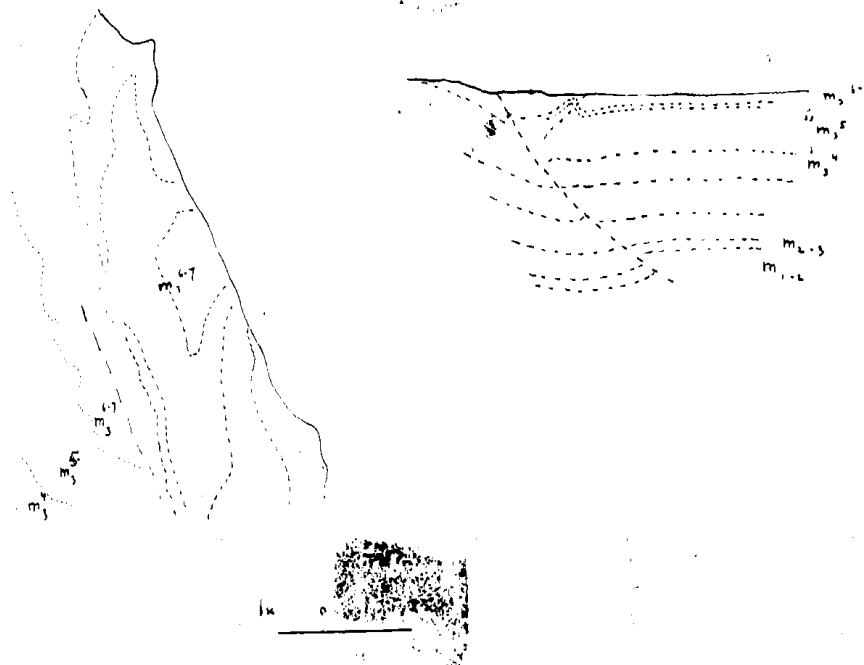


Structure on Foraminifera beds (Oligocene)

Dagestan Derbent (N° 9) New oil field (1947)

N° 210

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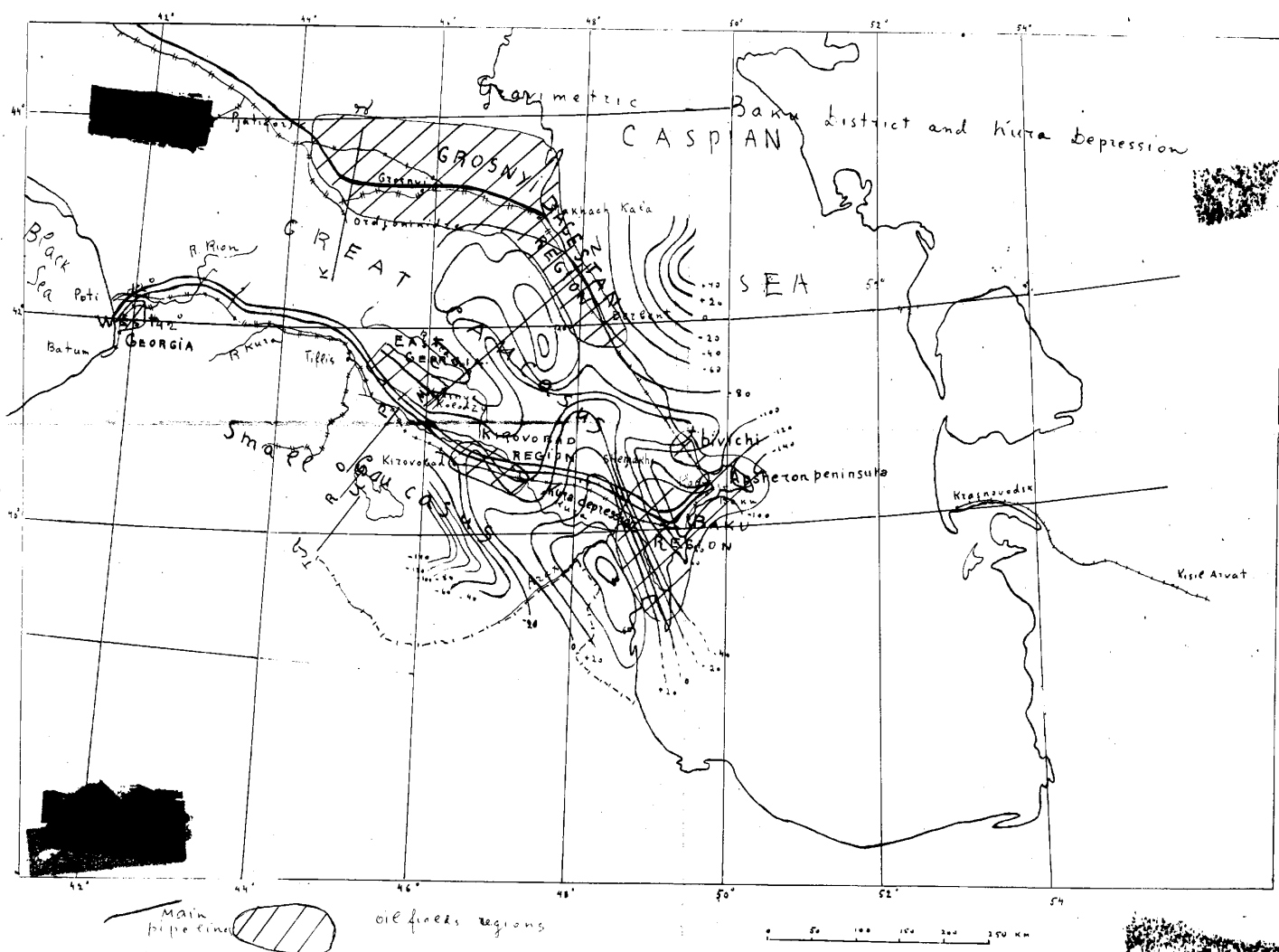


- m₆₋₇ Upper Sarmat
- m₅₋₇ Middle Sarmat
- m₃₋₄ Lower Sarmat
- m₂₋₃ Karagan
- m₁₋₂ Chokan
- m₁₋₂ Jarkhan
- m₂₋₃ Mairkop
- m₁₋₂ Foraminifera beds

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Baku district
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Kura Depression

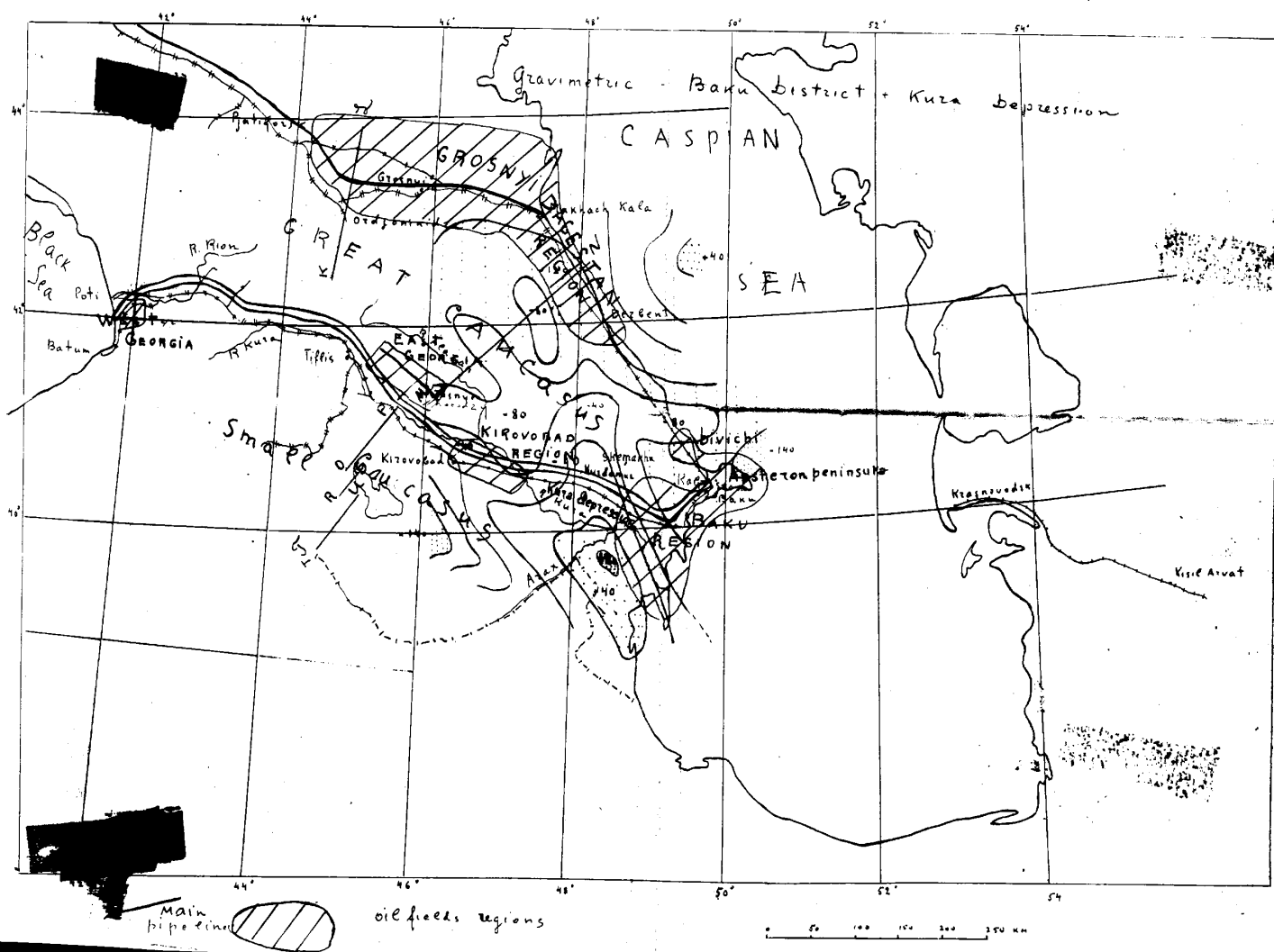
N 239
No. 243



Baku district
and

No. 244

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$$\begin{array}{r} \cancel{A/2} 239 \\ 245 \end{array}$$

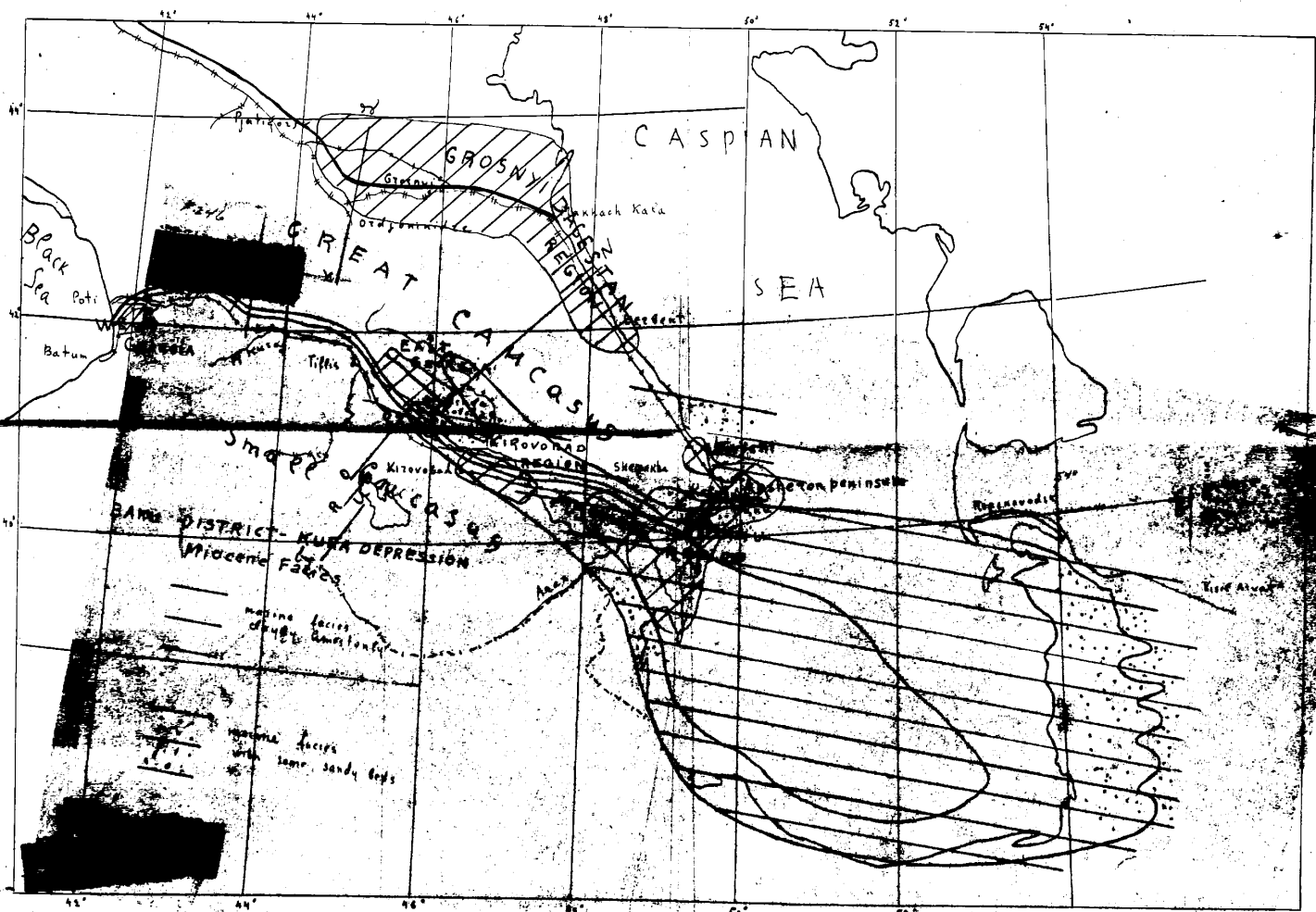
00171721 . CIA-RDP80-009
Kura Depression



Baku District

No 239
No 246

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Kura Depression

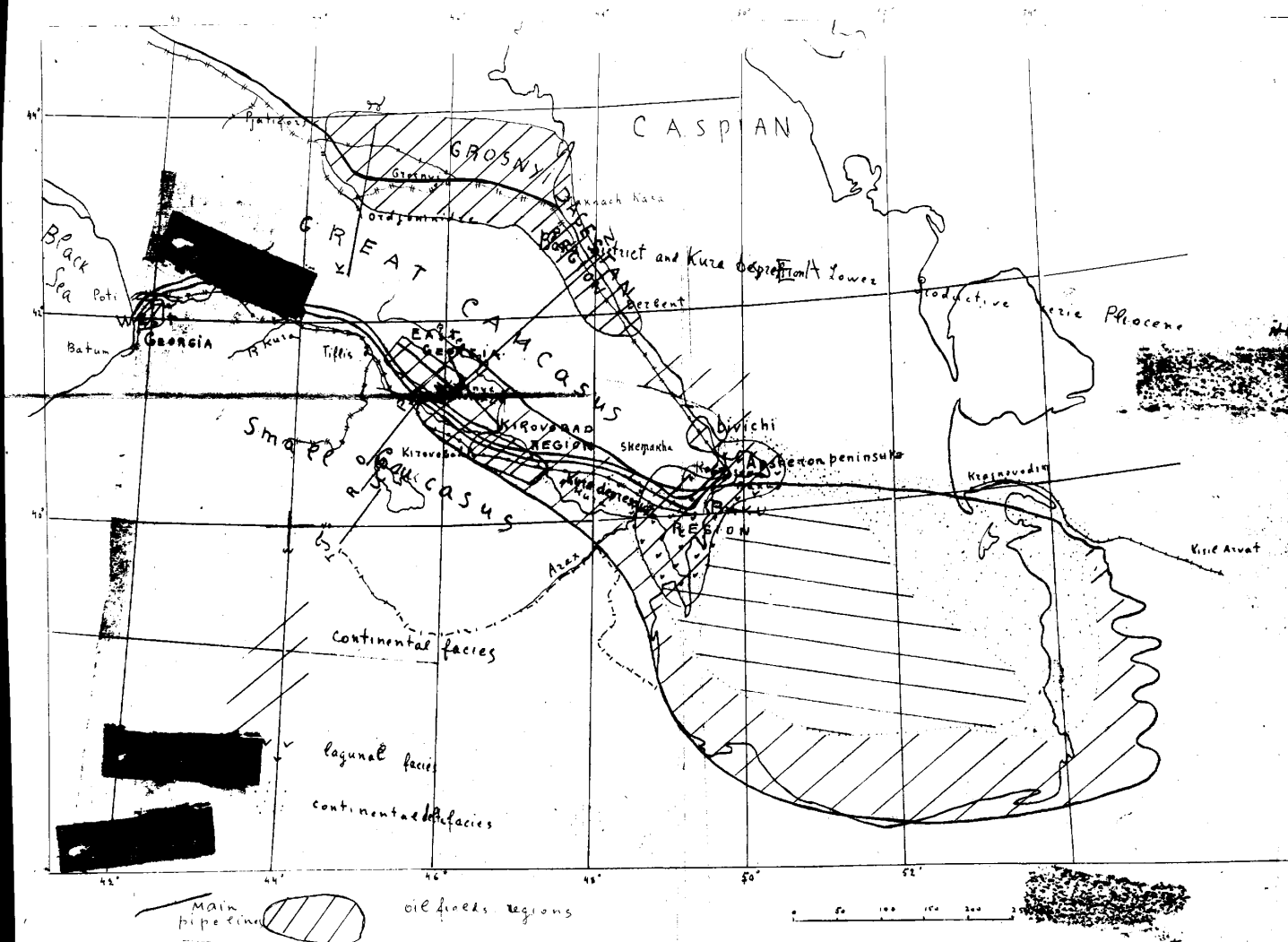


Main pipeline

oil fields regions

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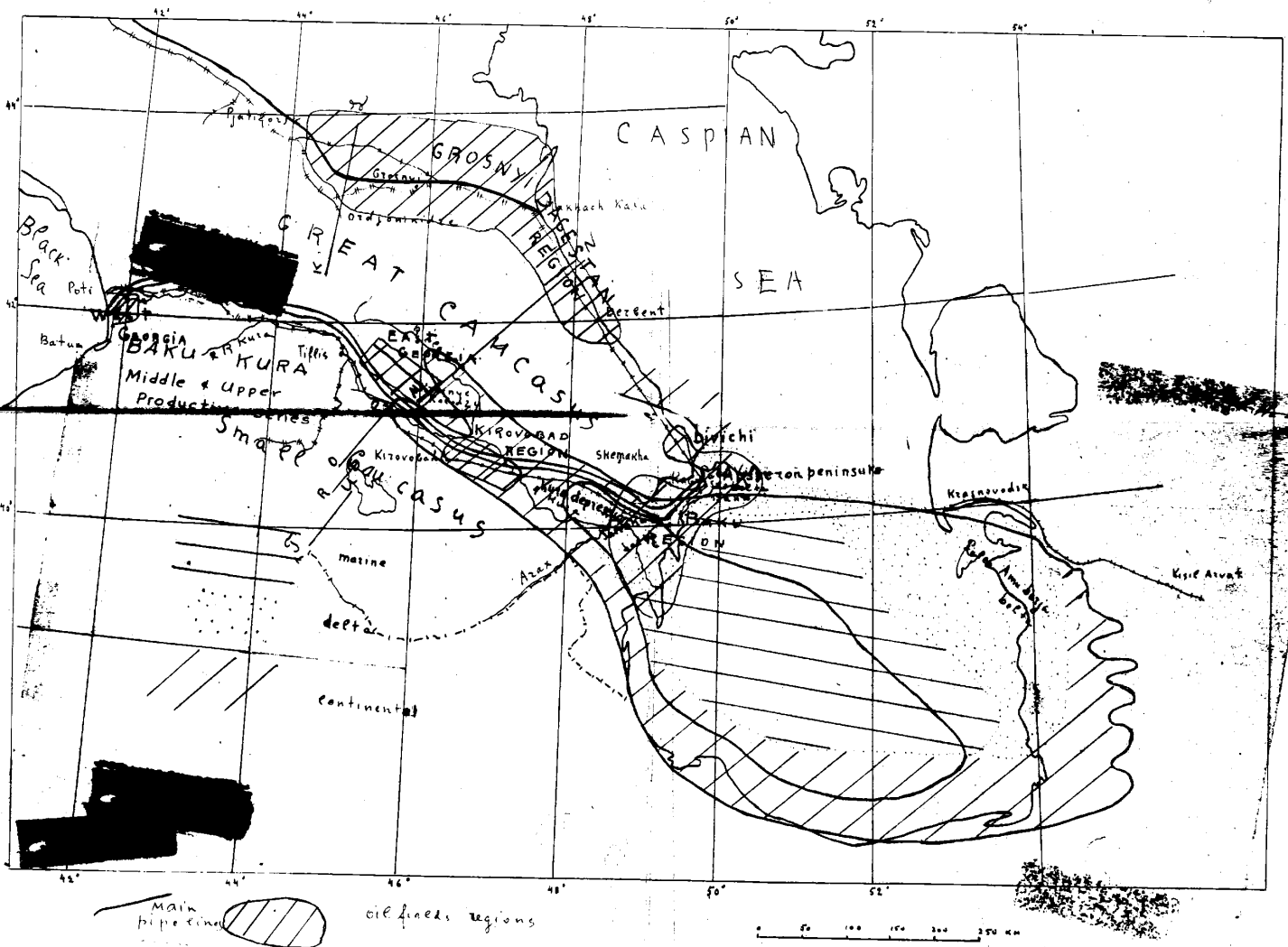
~~A² 237~~
No. 247



Baku district

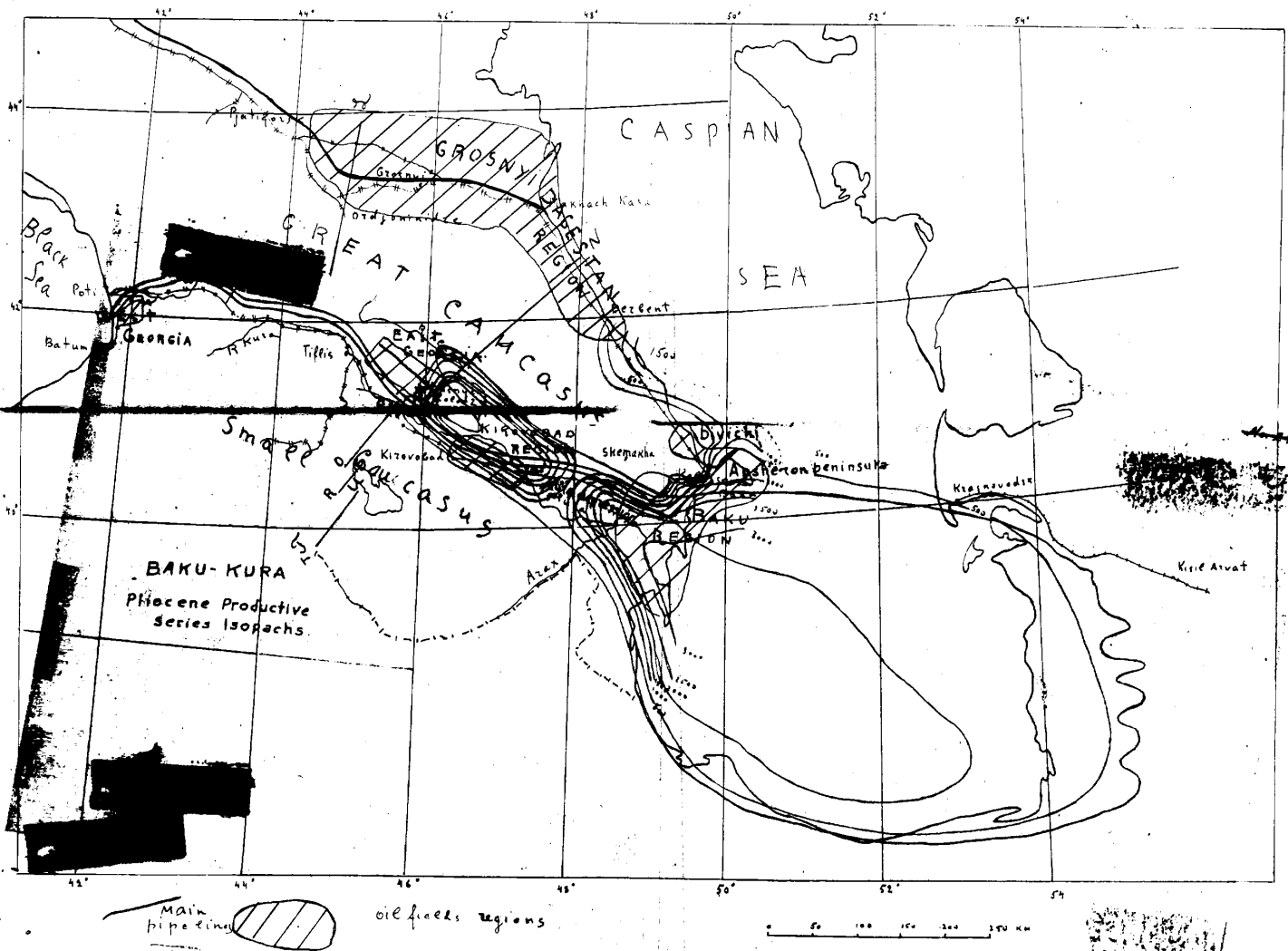
No. 239
No. 248

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Kura Depression



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H-239
No 249





1000
2000
3000
4000
5000

Zangezurian
Anticlinorium
Sevanian
Kurdistanian
Sindian
Somkhet
Caspian
Anticlinorium

Little Caucasus

Kinobad



Kura depression

Kakhétinian Shirvanian
Eurasian Anticlinorium

32
M1
Jg
J + Cr

5 km 0 10 20 km

Vandani
Anticlinorium

great Caucasus

Chioara-
ditarian
Sindian

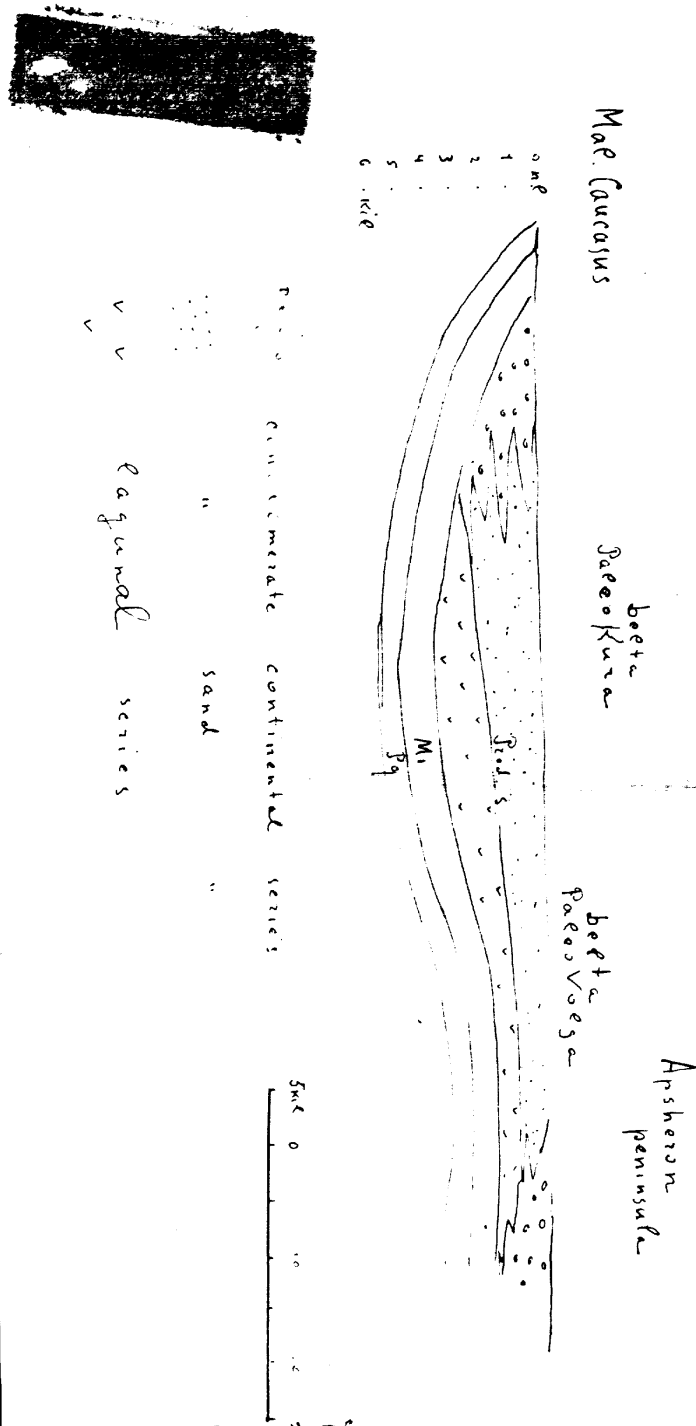
great Caucasus
Anticlinorium I

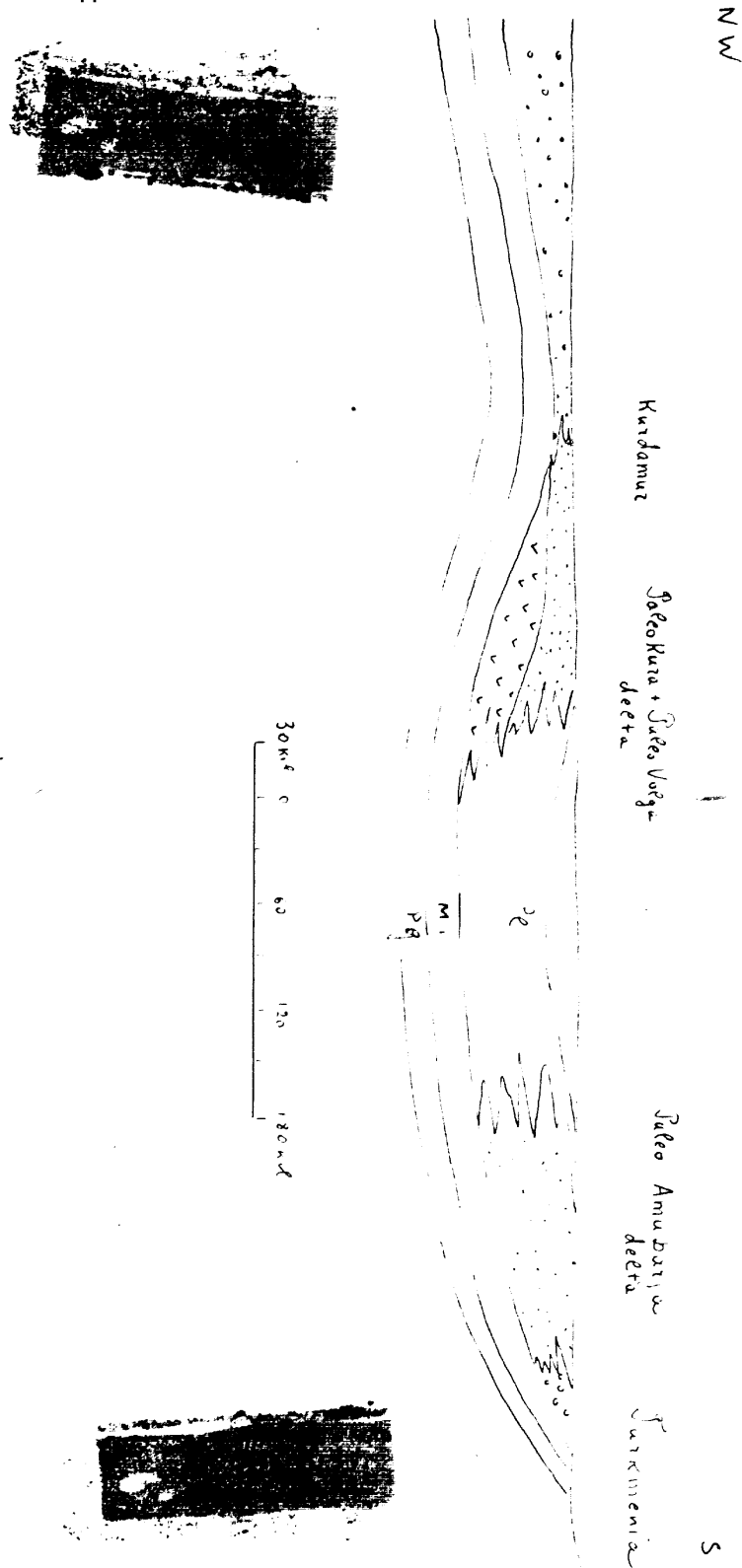
Nº 50

SW

Distribution of Facies, Productive series (Petrocene)

NO





Nº 253

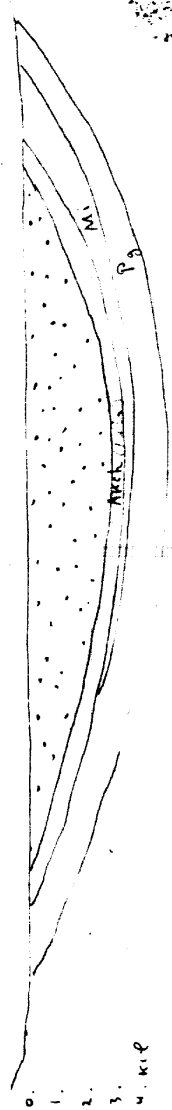
Cross section - Facies - structures taken out

N

Great Caucasus

Kirovobad

S

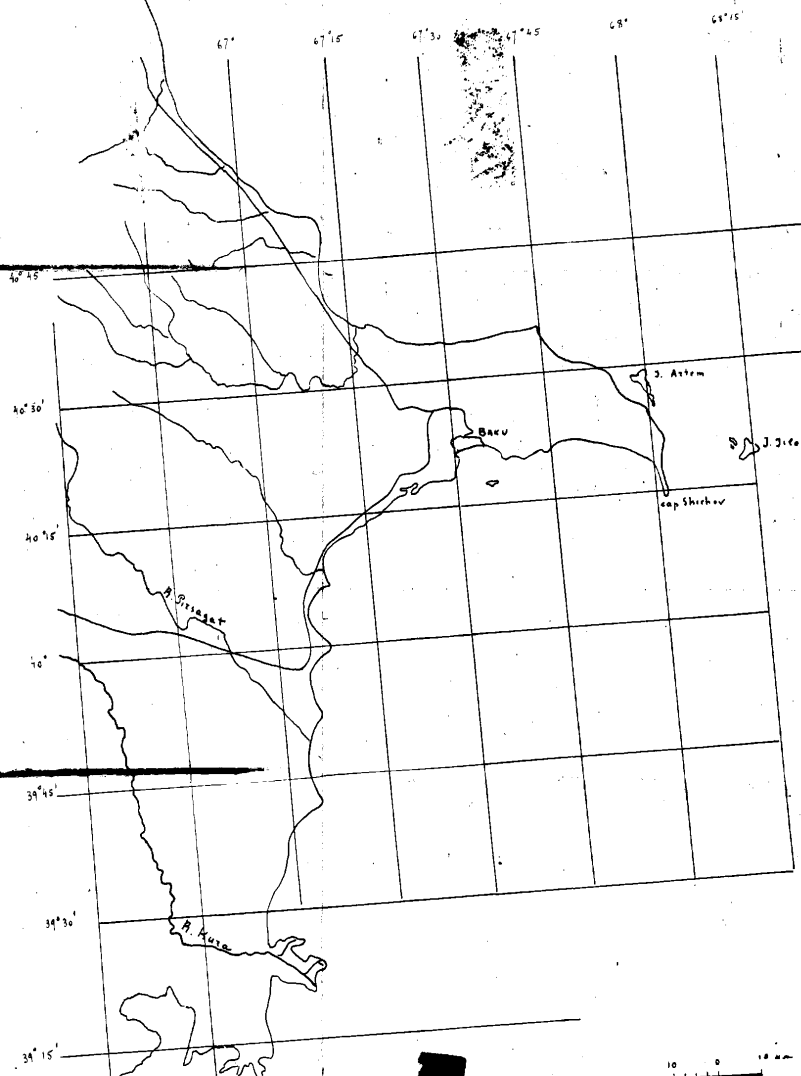


0 10 20 30 40 km

Productive (Petrocene)
continental series

marine

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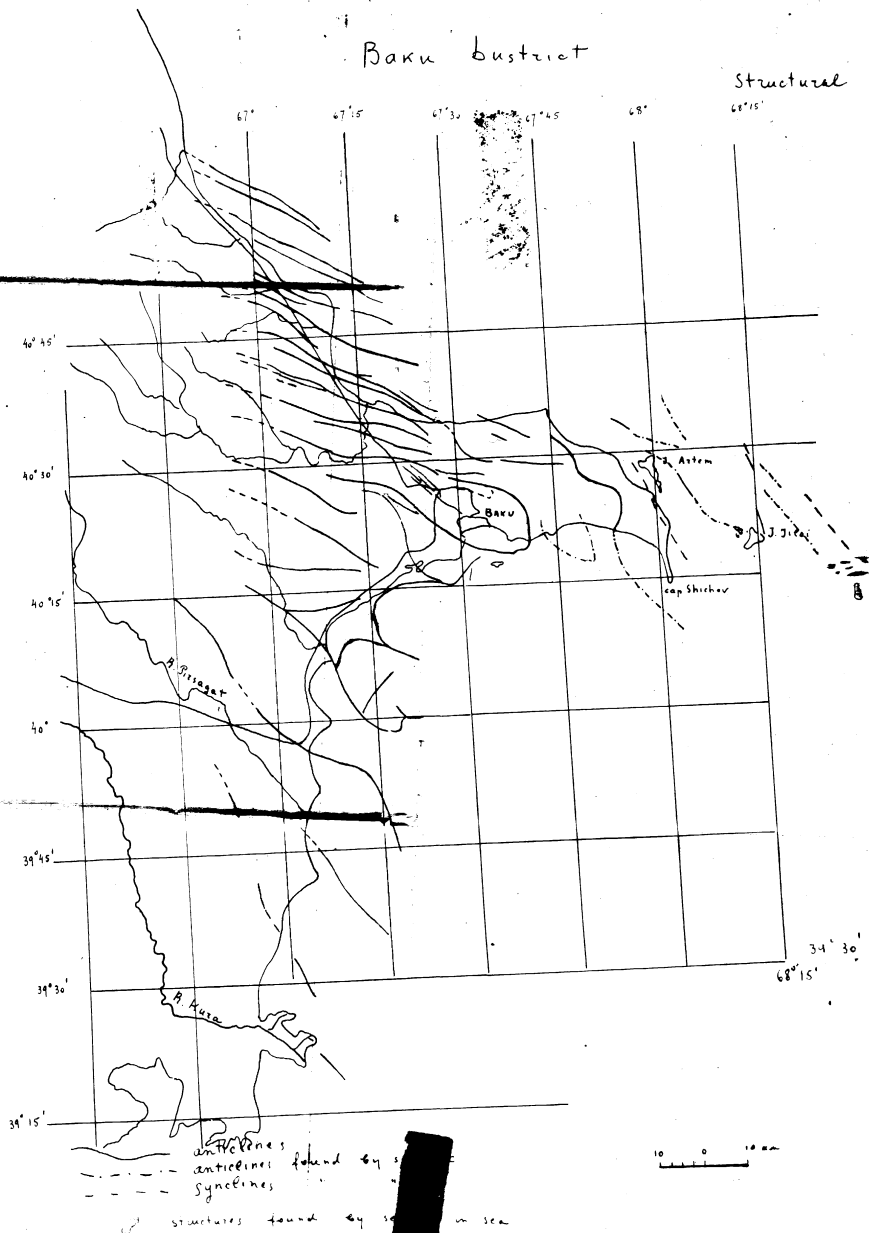


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No. 256
11-256

Baku District

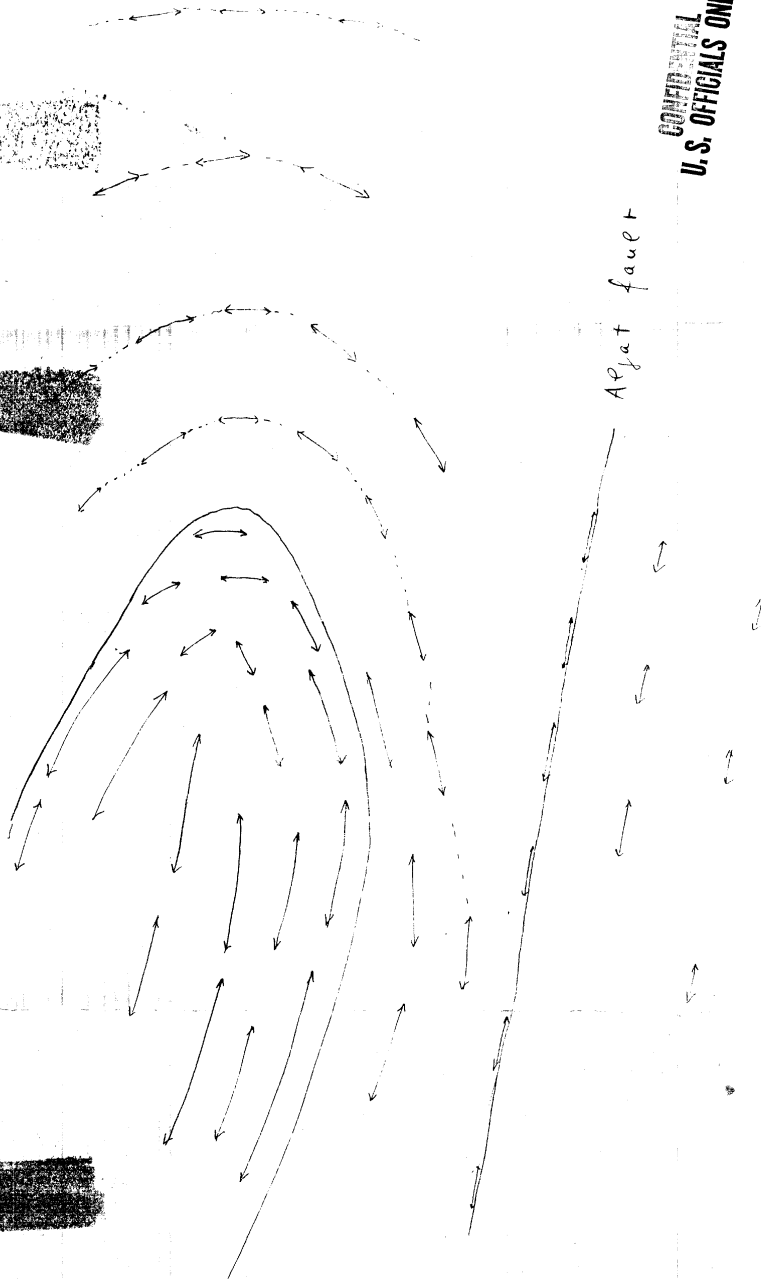
Structural trends



B Transition of structures

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SECURITY INFORMATION



Aqjat fault

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25X1A

VERTICAL FILE

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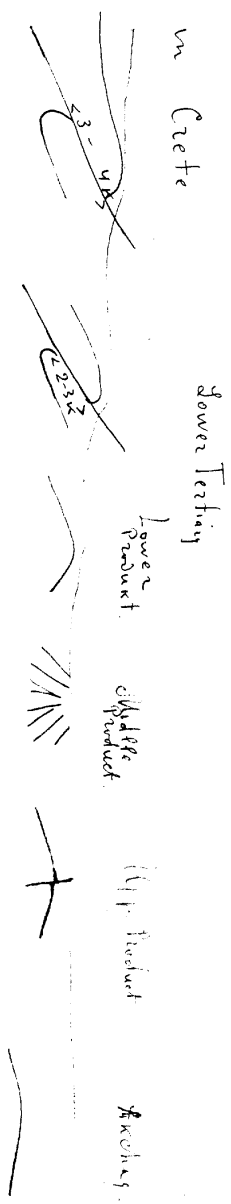
SECURITY INFORMATION

A. Transition of structures - East prong of Great Caucasus

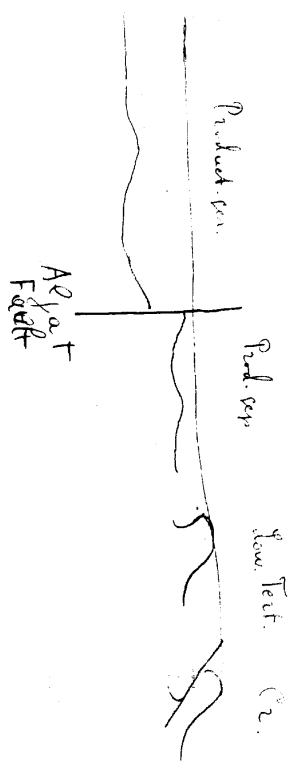
N^o 259

NW

NE



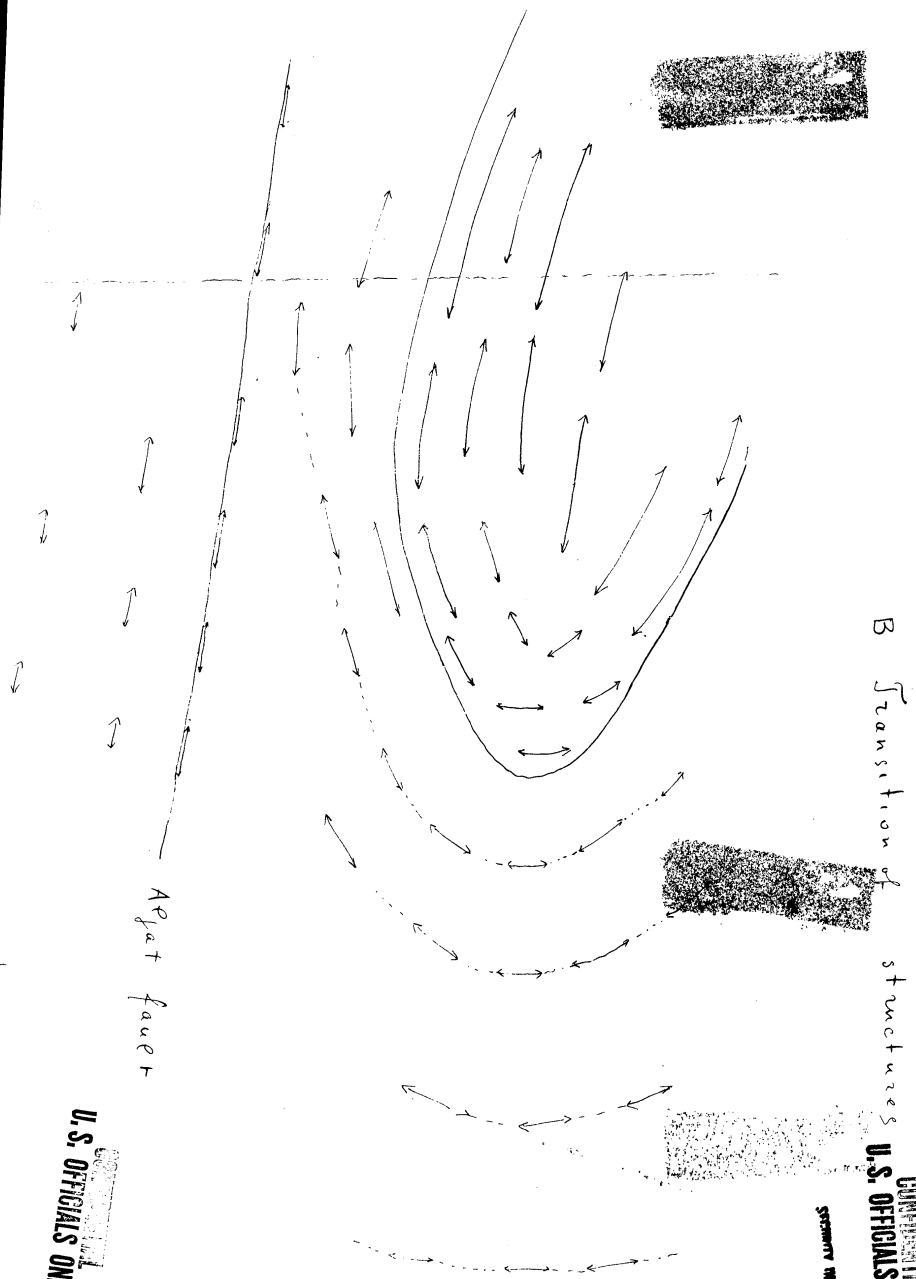
SW Transition of structures S from Caucasus NO



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VERTICAL FILE



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SECURITY INFORMATION

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VERTICAL FILE

Nº 258

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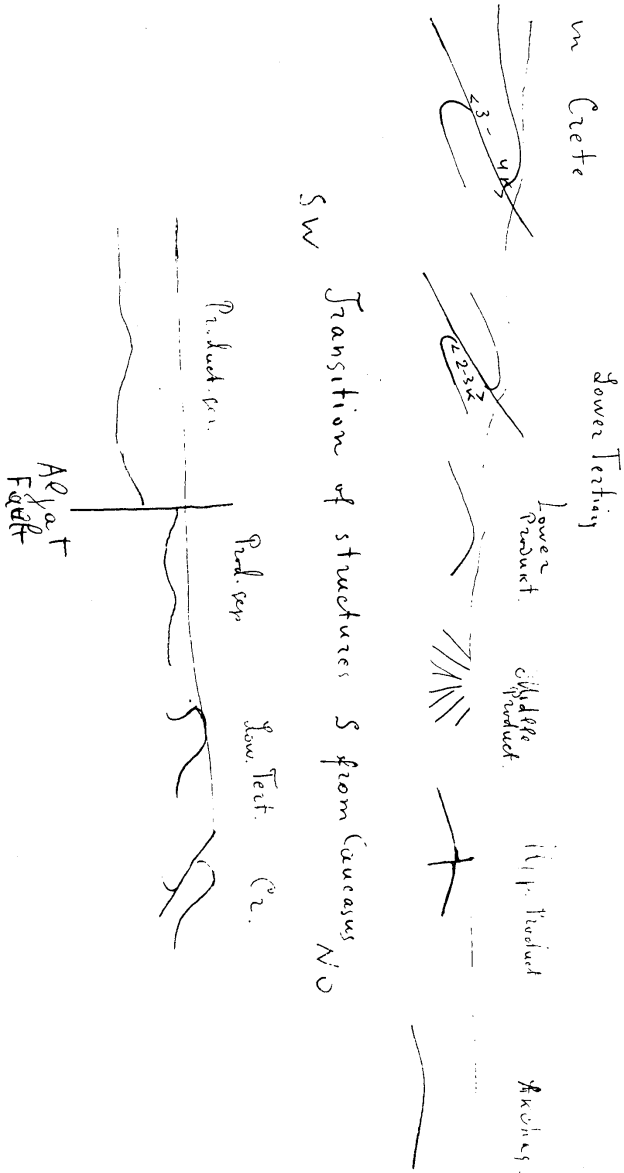
SECURITY INFORMATION

A. Transition of structures - East boundary of Great Caucasus

N^o 259

NW

NE



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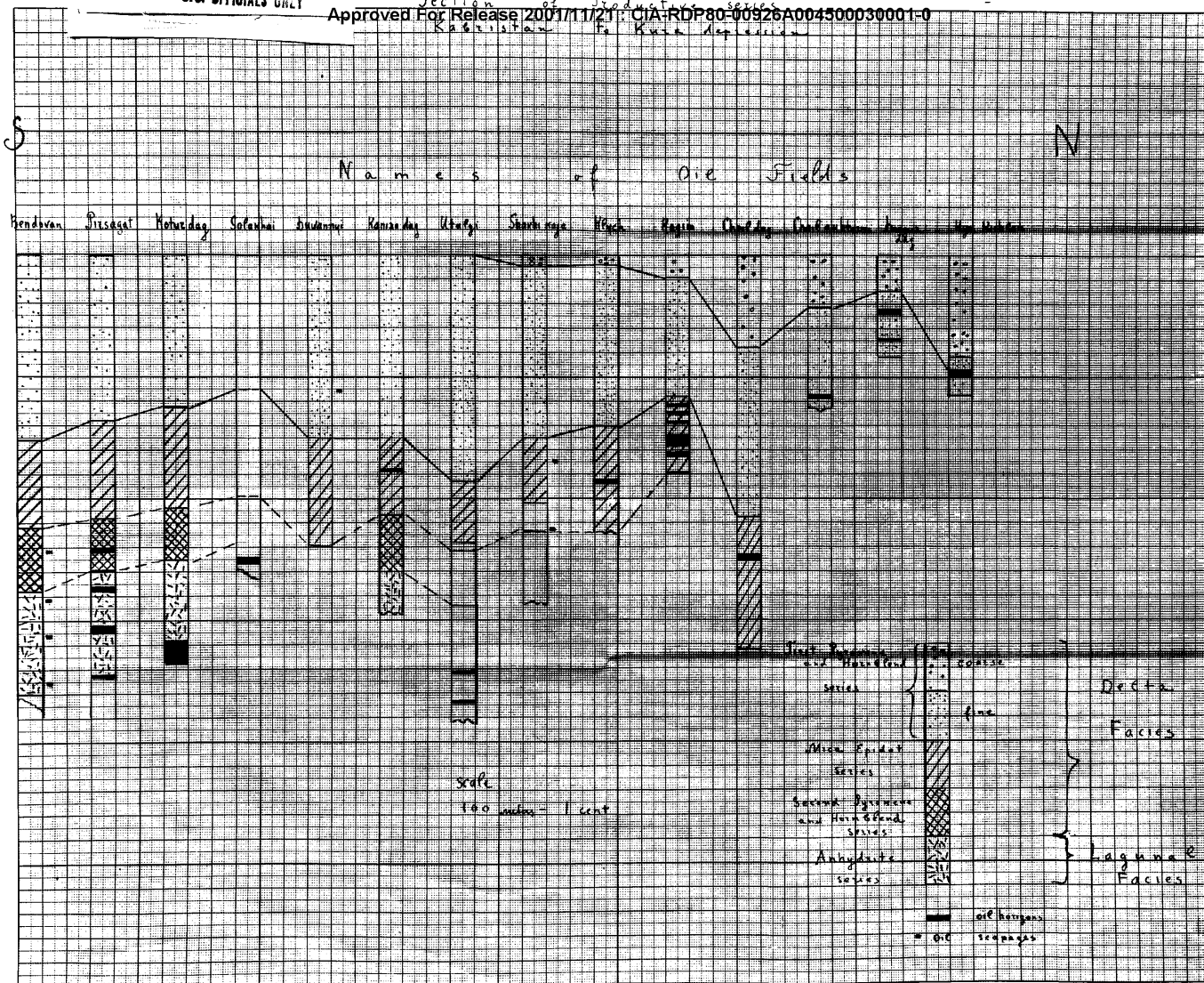
25X1A

VERTICAL FILE

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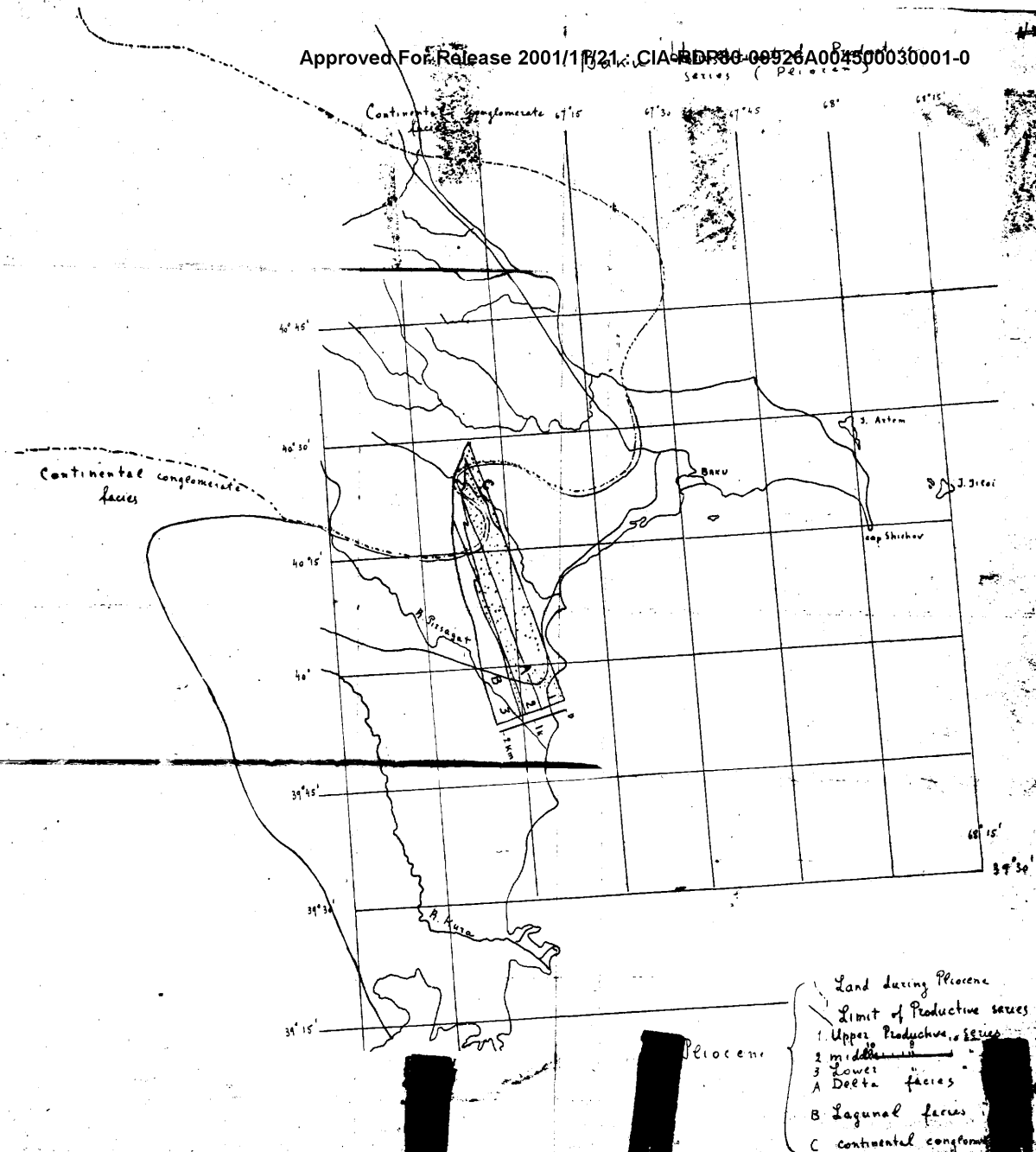
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Section of Productive series
Resistant to Kura depletion



PERFECT CROSS SECTION PAPER
MILLIMETERS
N°338

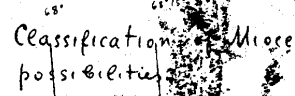
By Prof. V. V. V. 1947



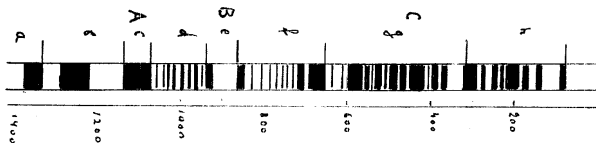
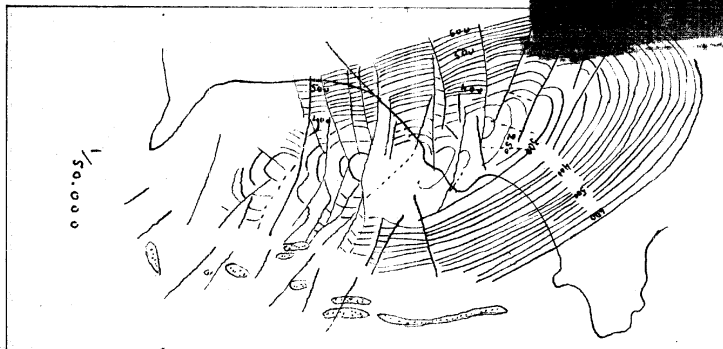
12/1/24

~~No. 255~~
No. 262

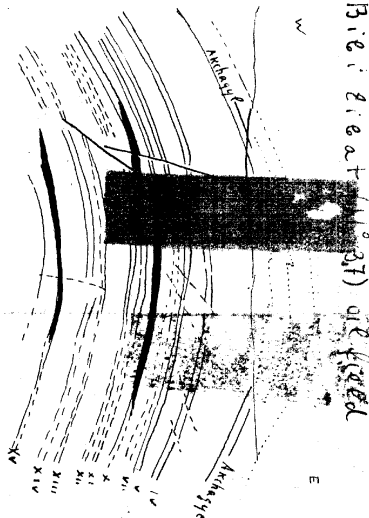
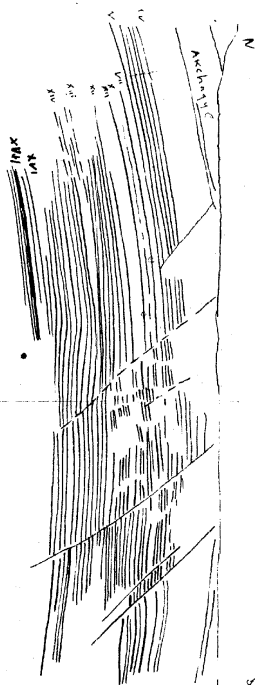
Baku bustriç



- A prospective
B less "
C little or no "
D very deep



Pliocene
C upper productive serie
B middle
A lower



Bicli (1937) of the

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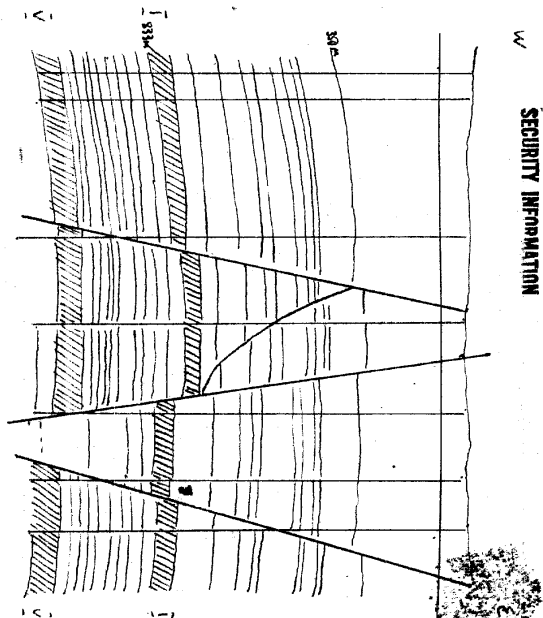
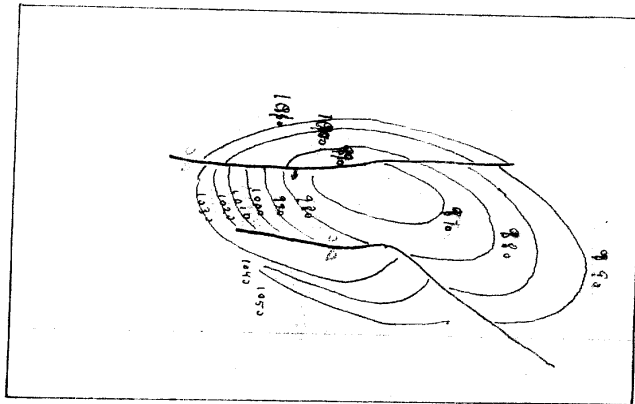
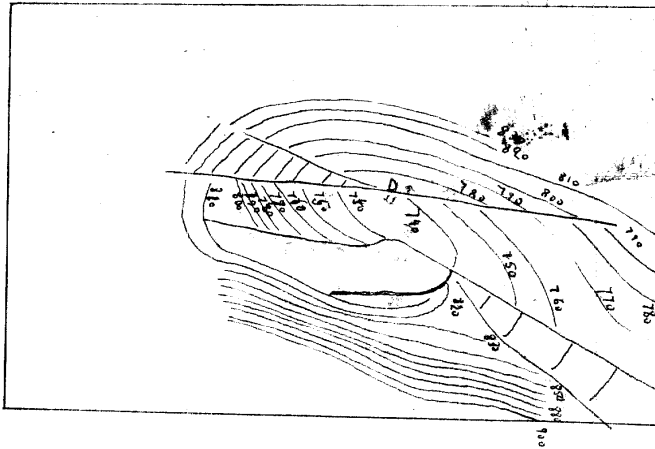
SECURITY INFORMATION

h Sarakhsie serie
g Sabunchin serie
f Badkhanse serie
e first intrusion
d over K. Simak in horizon
c over K. Simak in
b K. Simak in
a Subkistimakin

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VERTICAL FILE



Kara Chukhuz oil field (Nº 16)

N^o 264

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VERTICAL FILE

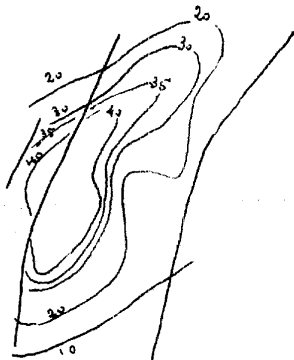
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Kara Chukhur Oil field (N 265)

N 265



map of equal saturation of V_1 horizon

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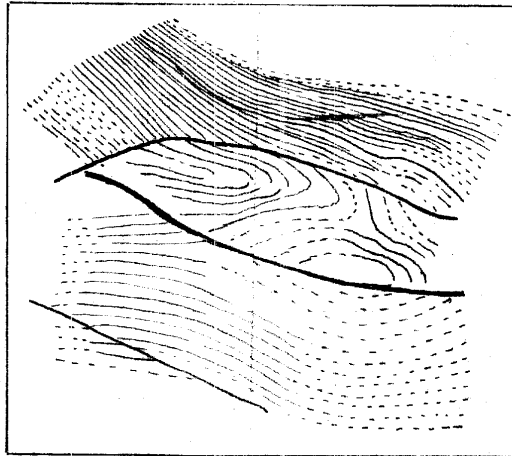
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Nº 266

Putra (Nº 39) Oil field



structural map

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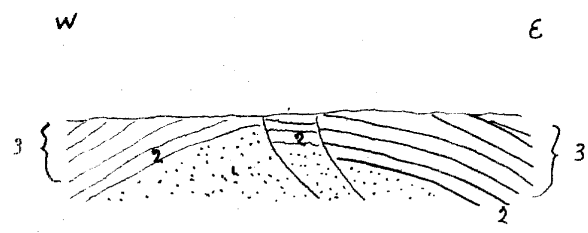
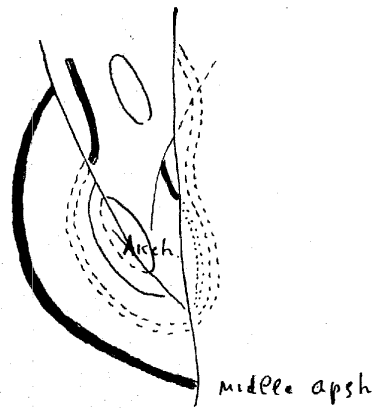
Nº 267

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Jirsa gat oil field (Nº 49)



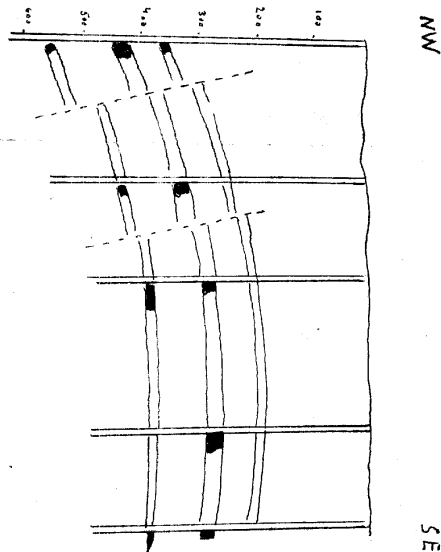
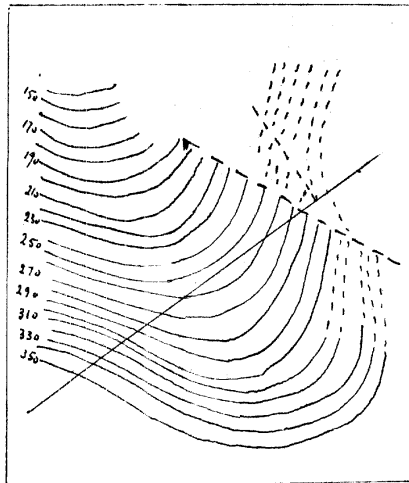
- 3 apsheron
- 2 akchagel
- 1 Productive series

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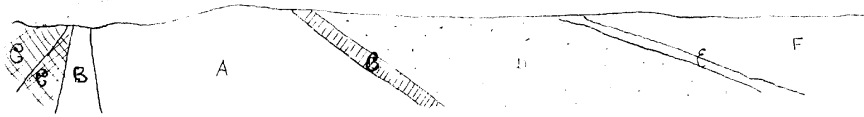
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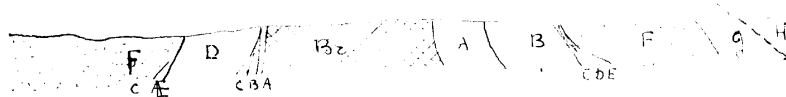
Nº 269

Utaegi oil field (Nº 57)



- B - m Breccia
- F Apsheronian
- E Archagyeian
- D Productive serie
- C Pontian
- B Chonraspirialis beds
- A biatomian

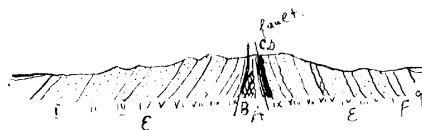
Kp1 oil field (Nº 58)



- B₂ m Breccia
- H Apsheronian
- g Archagyeian
- F Productive serie
- E Pontian
- b biatomian
- C
- B Maykon-
- A Koun

Shubany - Atashni Oil field (Nº 33)

25X1A



- g Apsheronian
- F Archagyeian
- E different horizont. of Productive serie
- b biatomian
- c Spirialis beds
- B Maykop
- A Koun

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VERTICAL FILE

Binagady Oil field (Nº 22)



F. Pontian
A Koun B. Maykop C Chonraspirialis beds D biatomian serie E Pontian

Soekhai (N° 63)

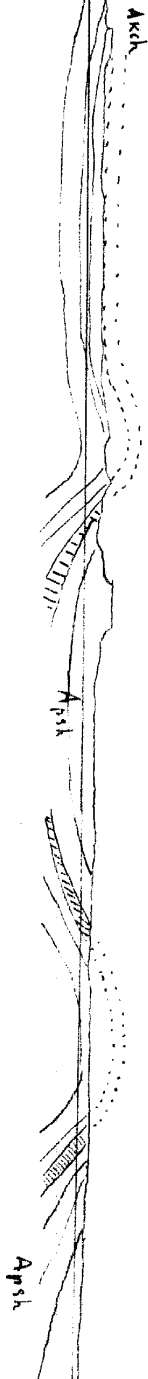
Buqanqi (N° 60)

Kianizdag N° 59)

Cross section

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N° 870



1 0 1 2 km

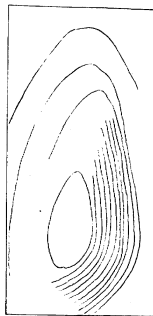
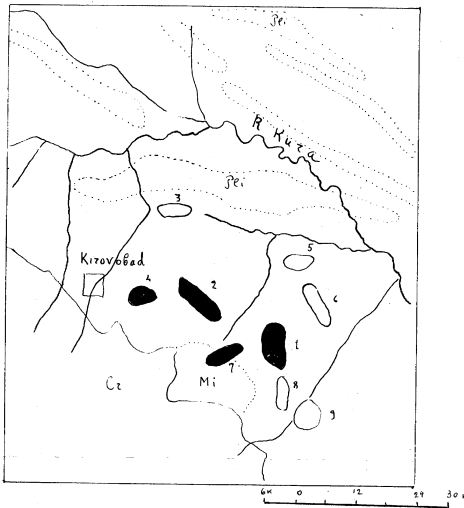
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Naftalan Structure map

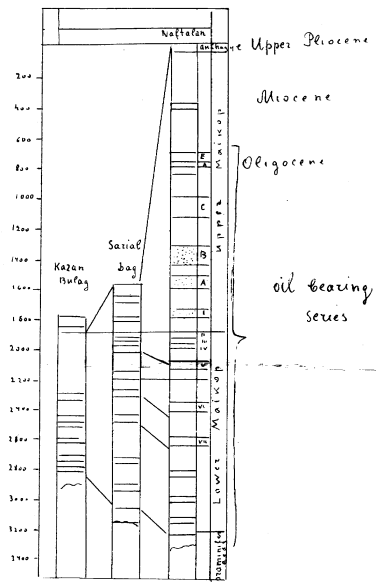
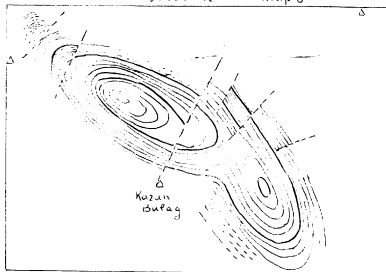
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10 meters

Typical structures
of region

Kazan Bulag Structure map



- 1 Naftalan oil field
- 2 Kazan Bulag " "
- 3 Boz bag " "
- 4 Ali Ushagi " "
- 5 Druz bag " "
- 6 Gedan Boz " "
- 7 Sarial bag " "
- 8 Botsunely " "
- 9 Terter " "

oil fields

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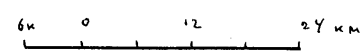
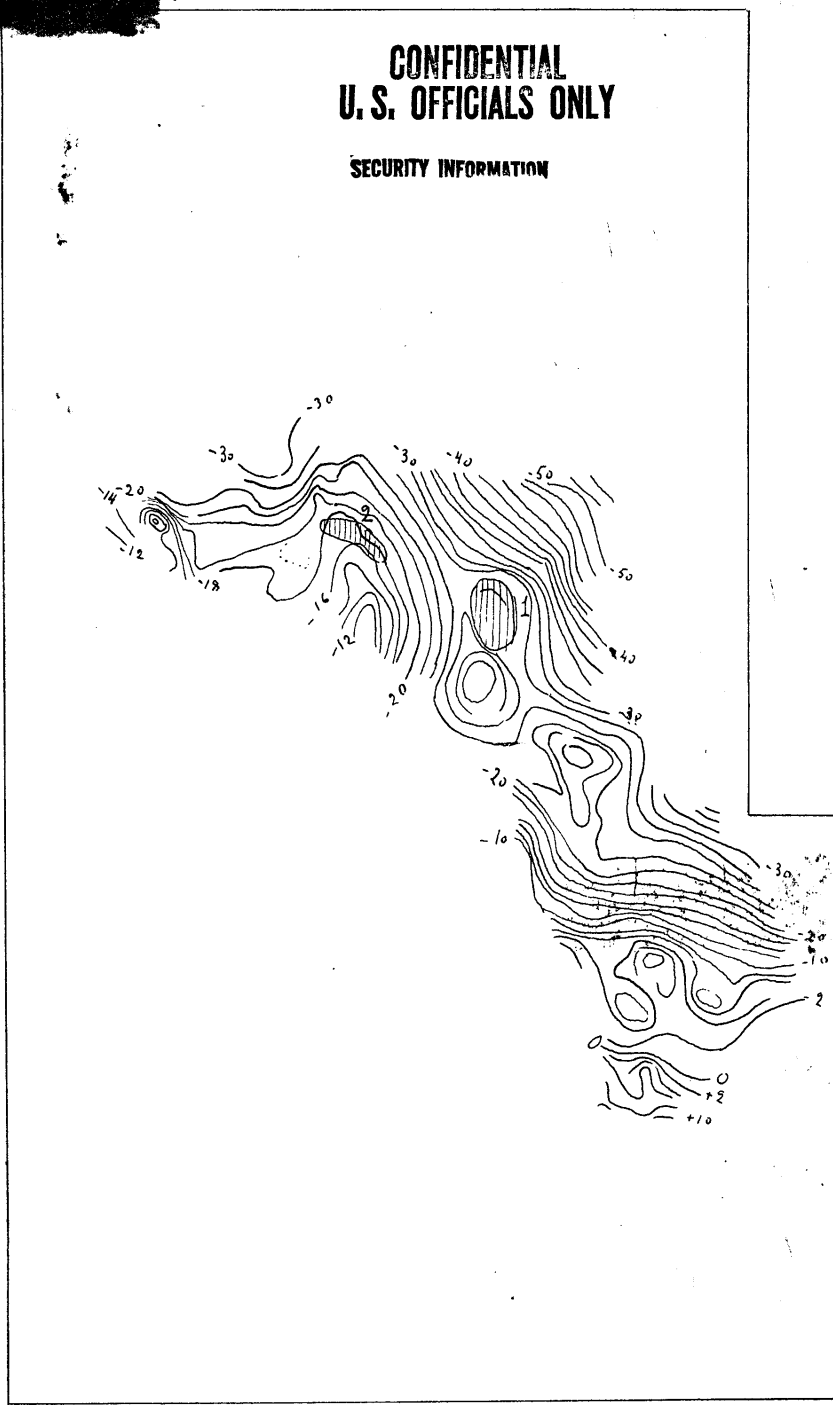
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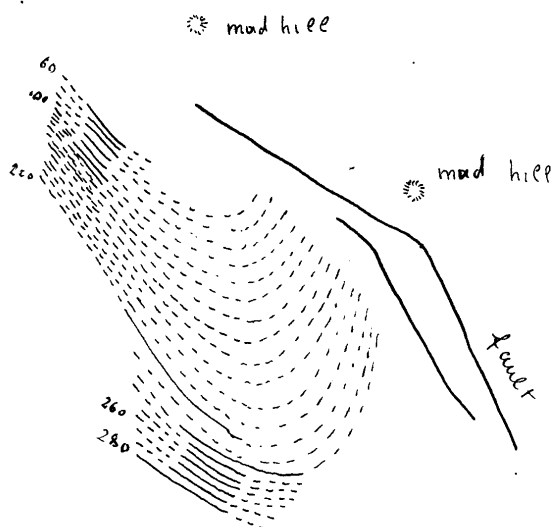
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Neftecharla oil field (N-52)

273

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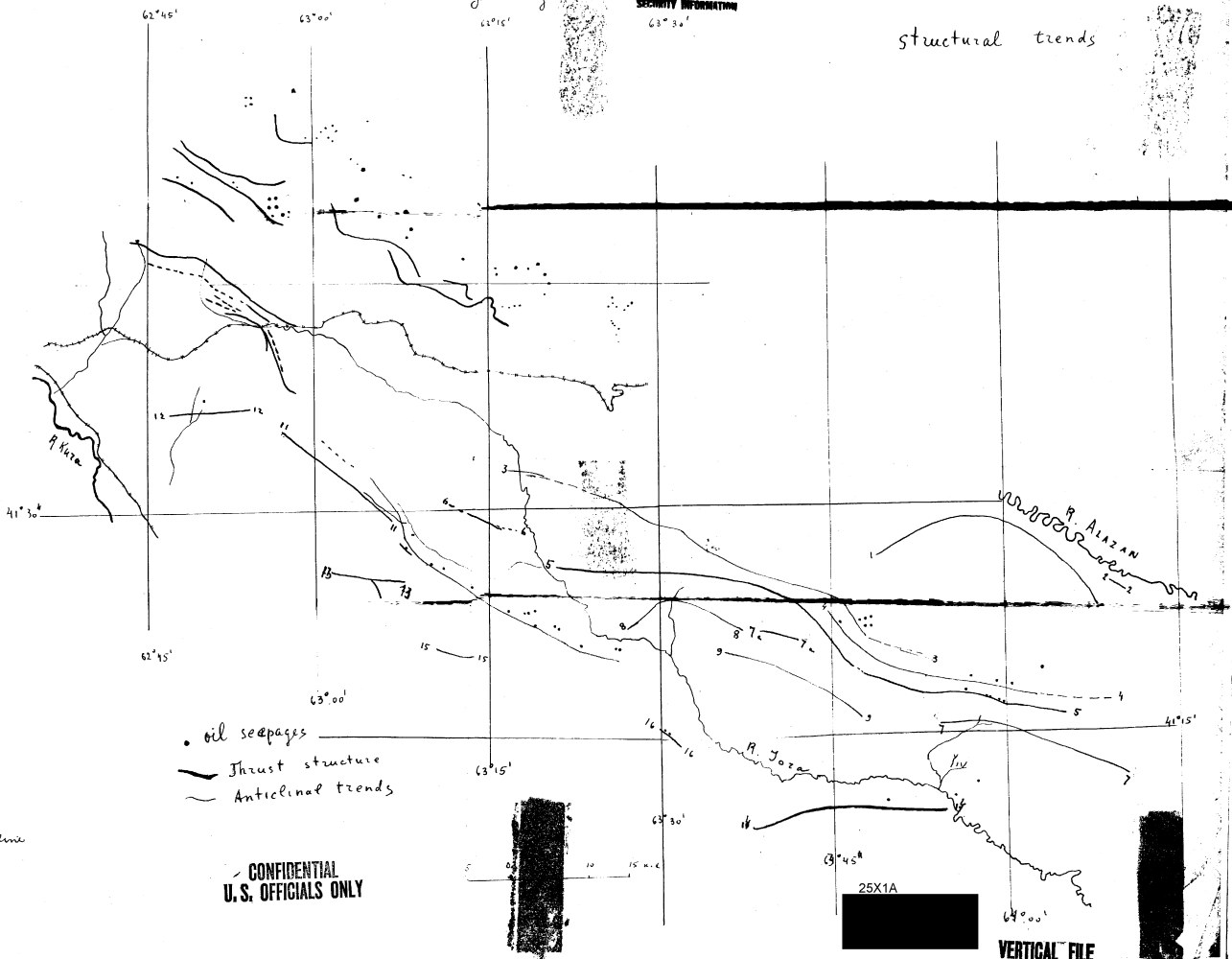
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East Georgia

structural trends

- 1-1 Anticline to North from Shiraki
- 2-2 Alazan anticline
- 3-3 Mirzaganj-Megashir Khori anticline
- 4-4 Shua Mta anticline
- 5-5 Matyo Shiraki anticline
- 6-6 Kingi anticline
- 7-7 Kala karsi anticline
- 8-8 Matagolova anticline
- 9-9 Javaban anticline
- 10-10 Aladzhi anticline
- 11-11 Juara Japa anticline
- 12-12 Arkhashensu anticline
- 13-13 Udaeno anticline
- 14-14 Bilas ougi
- 15-15 Legu Zkhali
- 16-16 Himutky Legu Zkhali anticline



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East Georgia

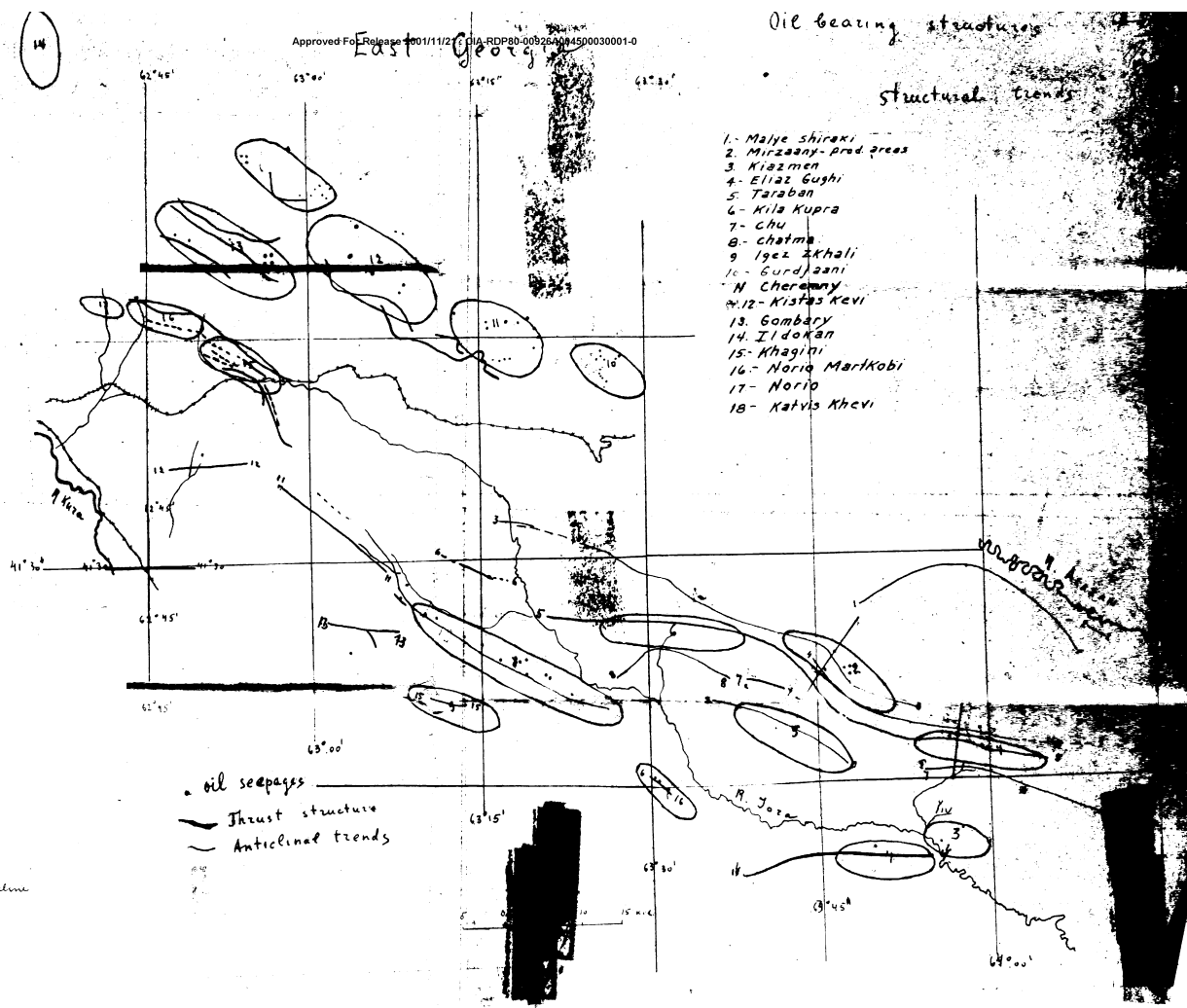
Oil bearing structures

Structural trends

- 1- Malye Shiraki
- 2- Mirzabey-Prodpres
- 3- Kizasmen
- 4- Eliaz Gushi
- 5- Taraban
- 6- Kila Kupra
- 7- Chu
- 8- Chatma
- 9- Igezh Khali
- 10- Gurdjani
- 11- Cheremny
- 12- Kistak Kevi
- 13- Gombary
- 14- Ildokan
- 15- Khagiri
- 16- Norio Marikobi
- 17- Norio
- 18- Katvis Khevi

- 1- Anticline from Shiraki
- 2- Alagan anticline
- 3-3 Mirzabey-Prodpres anticline
- 4- Shua Alta anticline
- 5- Malye Shiraki anticline
- 6- Kuzi anticline
- 7-7 Kila Kupra anticline
- 8-8 Motagorani anticline
- 9-9 Taraban anticline
- 10-10 Aradzhi anticline
- 11-11 Suara Dapa anticline
- 12-12 Arakhashen anticline
- 13-13 Uldabno anticline
- 14-14 Eliaz Gushi anticline
- 15-15 Igezh Khali anticline
- 16-16 Norio Marikobi anticline

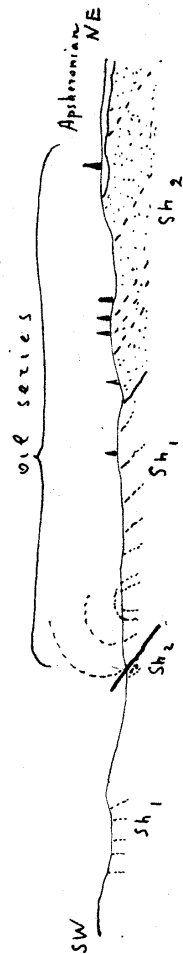
oil seepages
Thrust structure
Anticlinal trends



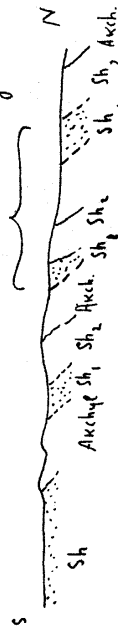
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Mirsani oil field



Shirazi oil field
oil bearing series



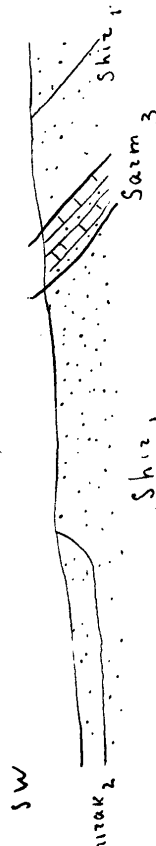
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Mashus Khevi

NE

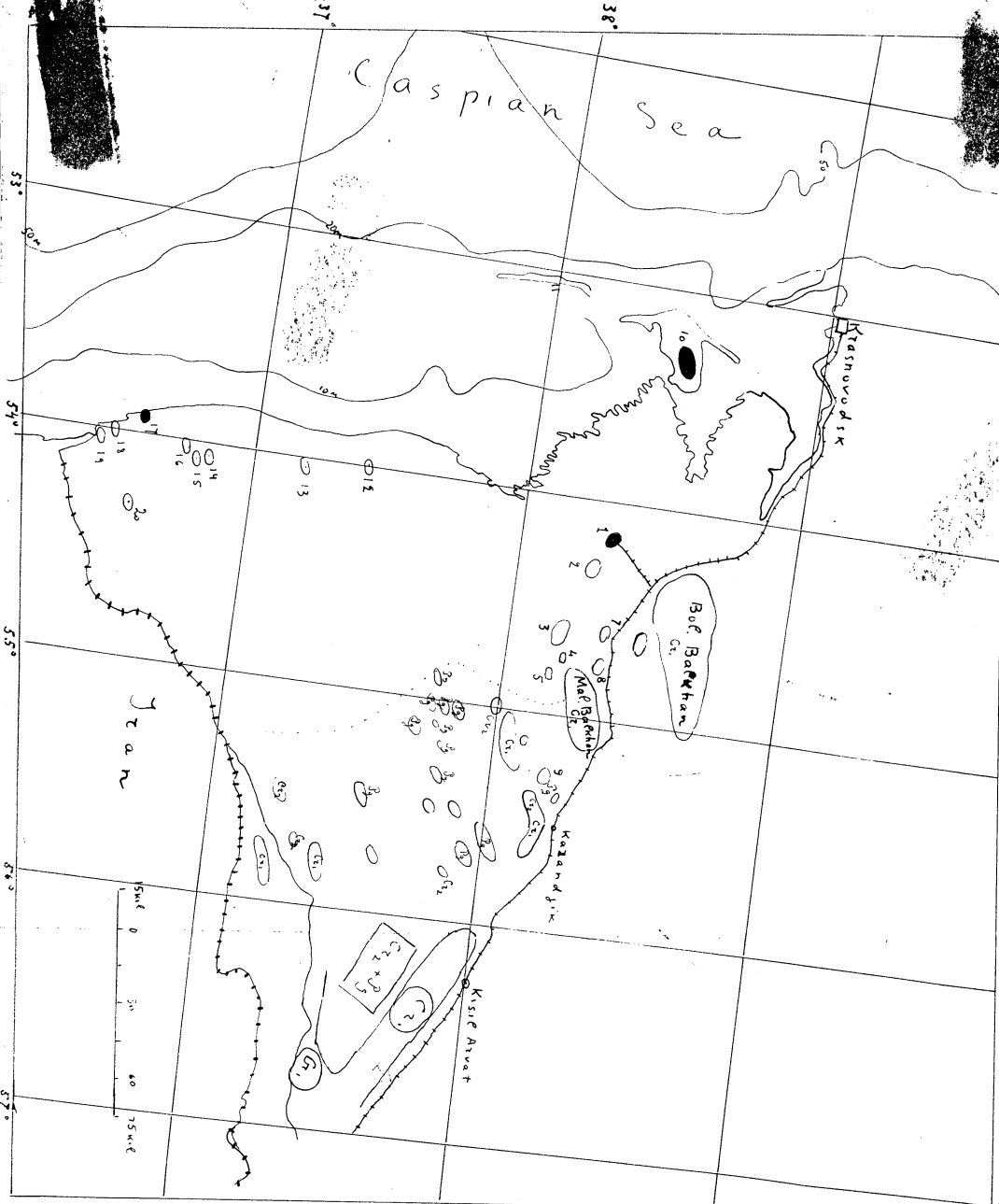


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West Turkomanian Oil District
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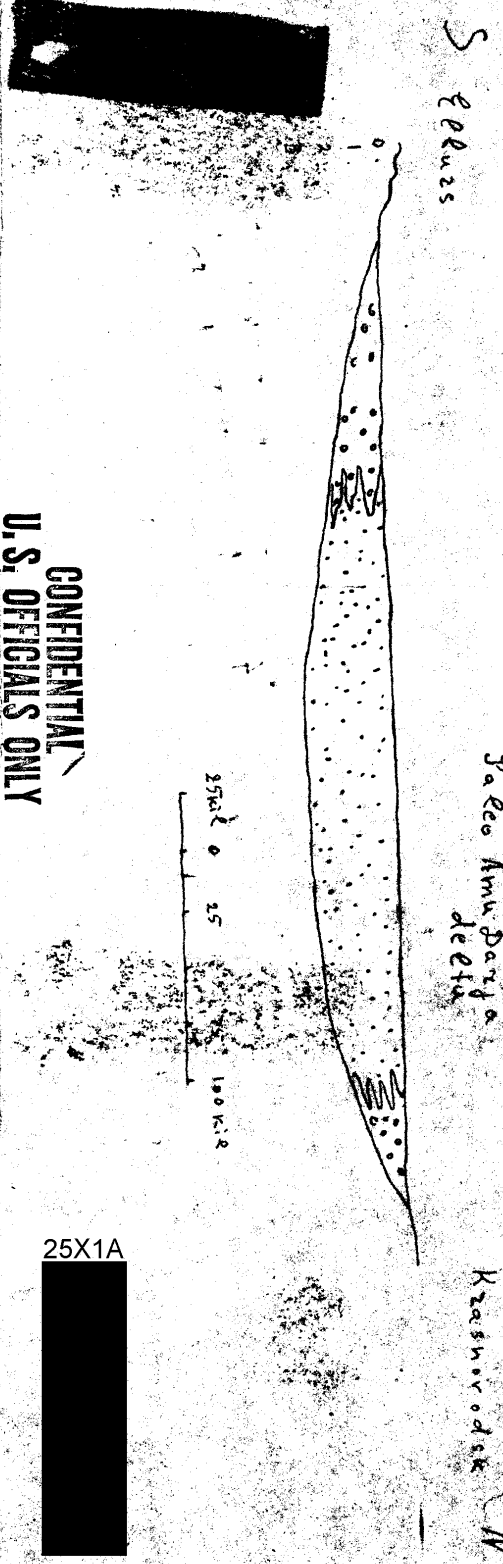
Structures

1. Nefedag (productive)
2. Mangurey
3. Rojaday
4. Syrtanay
5. Kumdag
6. Juzgaidag
7. Kobek
8. Khundaidag
9. Mangshear
10. Cheeren
11. Guchinski Jiland (productive)
12. Kamshedga
13. Gekpatouk
14. Keimiz
15. Julekay
16. Anapatouk
17. Chirichlar
18. Kipjachi Egor
19. Hasan Kuri
20. Jozsu

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3g, C₂, C₃ - domes and exhalation lines on the plume
4 Kopetdag
Kopetdag
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Cross section showing facies of productive red series - west Turkmenia

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Lim t al Akchagulyap
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N 2 80

Casbian Sea



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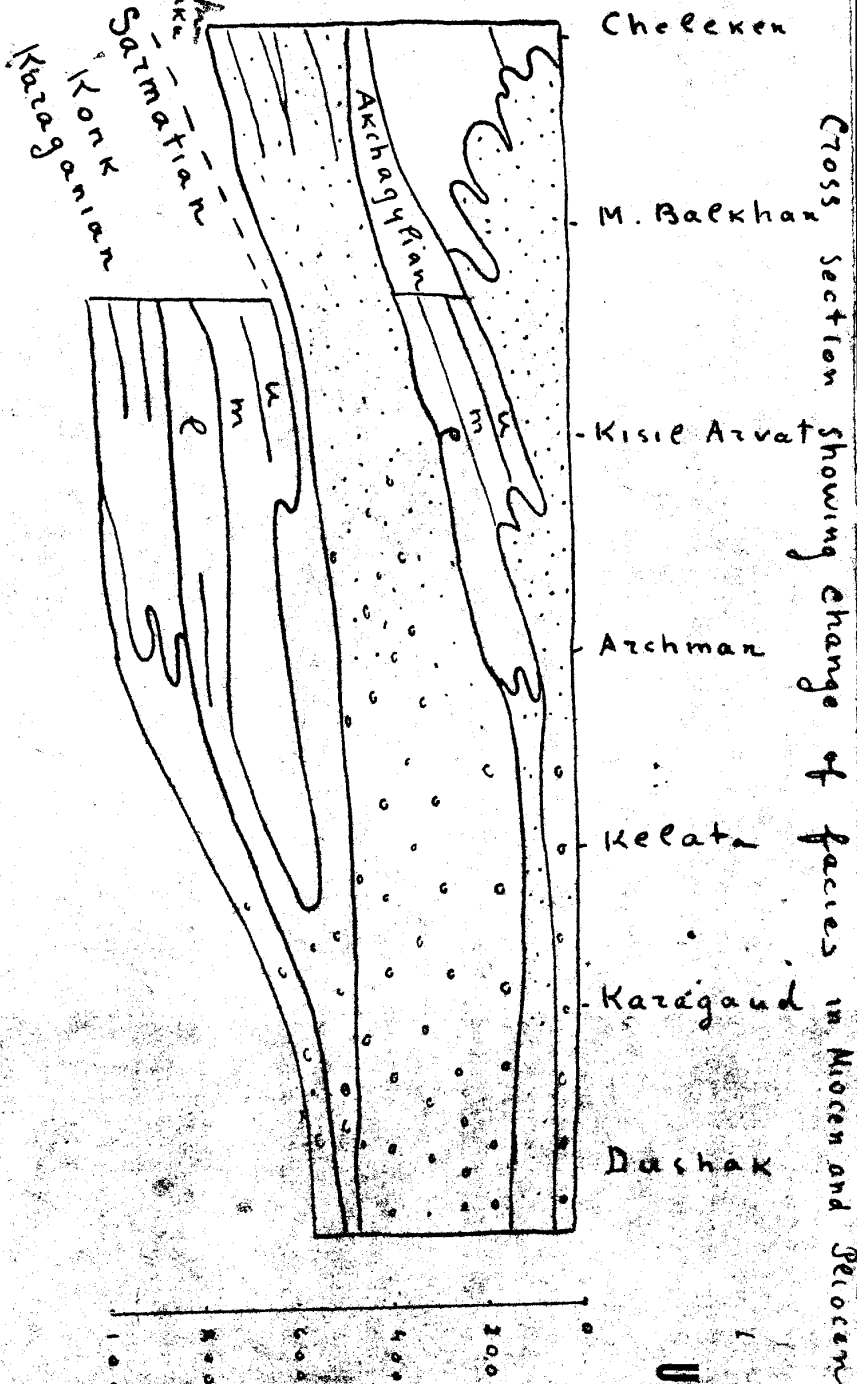
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NW

Bakinian

Apshezonian

Chereken serie
Red productive
series with
arkaroids with Bakinian
productive series



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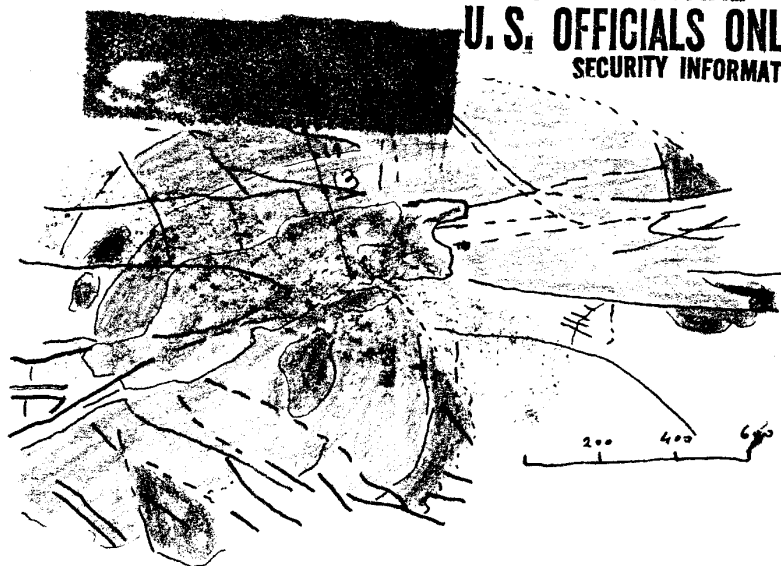
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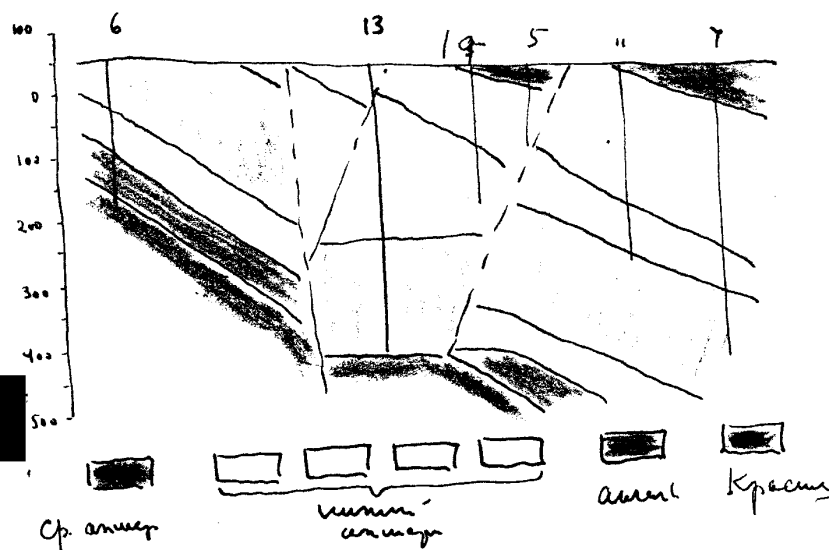
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справка о
 6 чде для машины
 американа
 вела африка
 в себя в машине
 очень много
 американа > 200
 в том 20-30
 года 20-250

с
 (слова вост. и мек. машин
 слова вост. и аделина
 слова американа



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24 4400

13 года

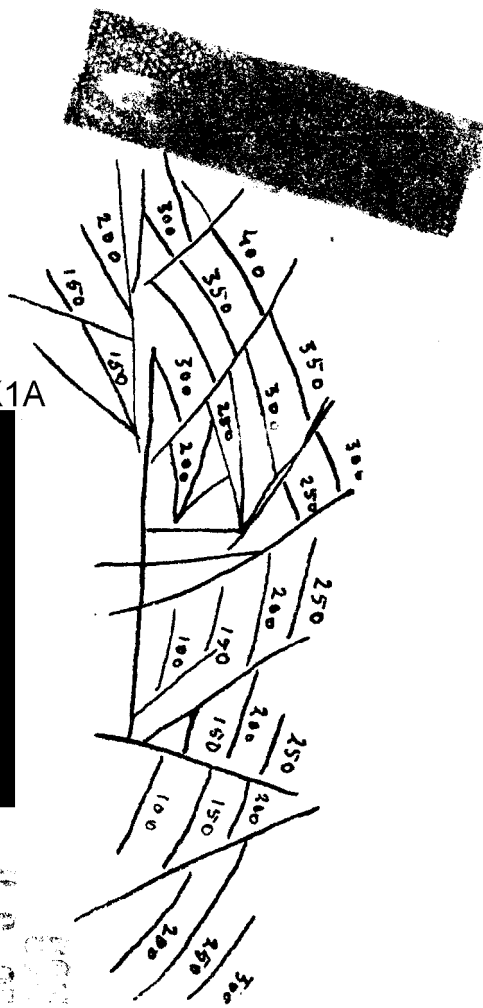
сумма 5000-6000
 более 100000 мм.

40 лет
 150° Сент
 150°-300° (век)
 0,880 0890
 10.5°
 50.5
 4.6°

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*Neftedag oil field
structure*



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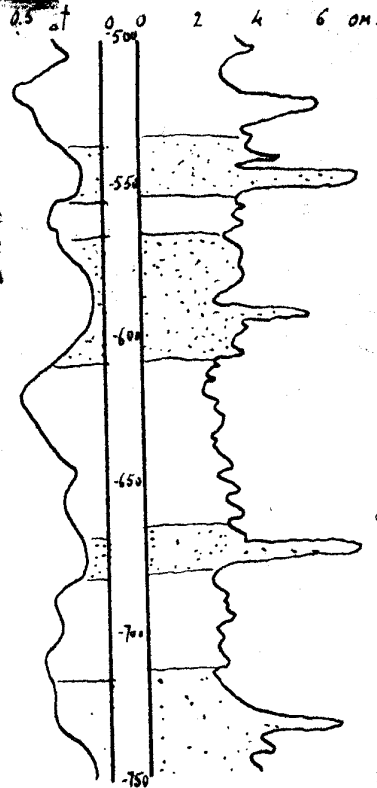
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Neftedag

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